
Catalogue of the new marine Harpacticoid Copepods

(1997 Edition)

by Philippe BODIN



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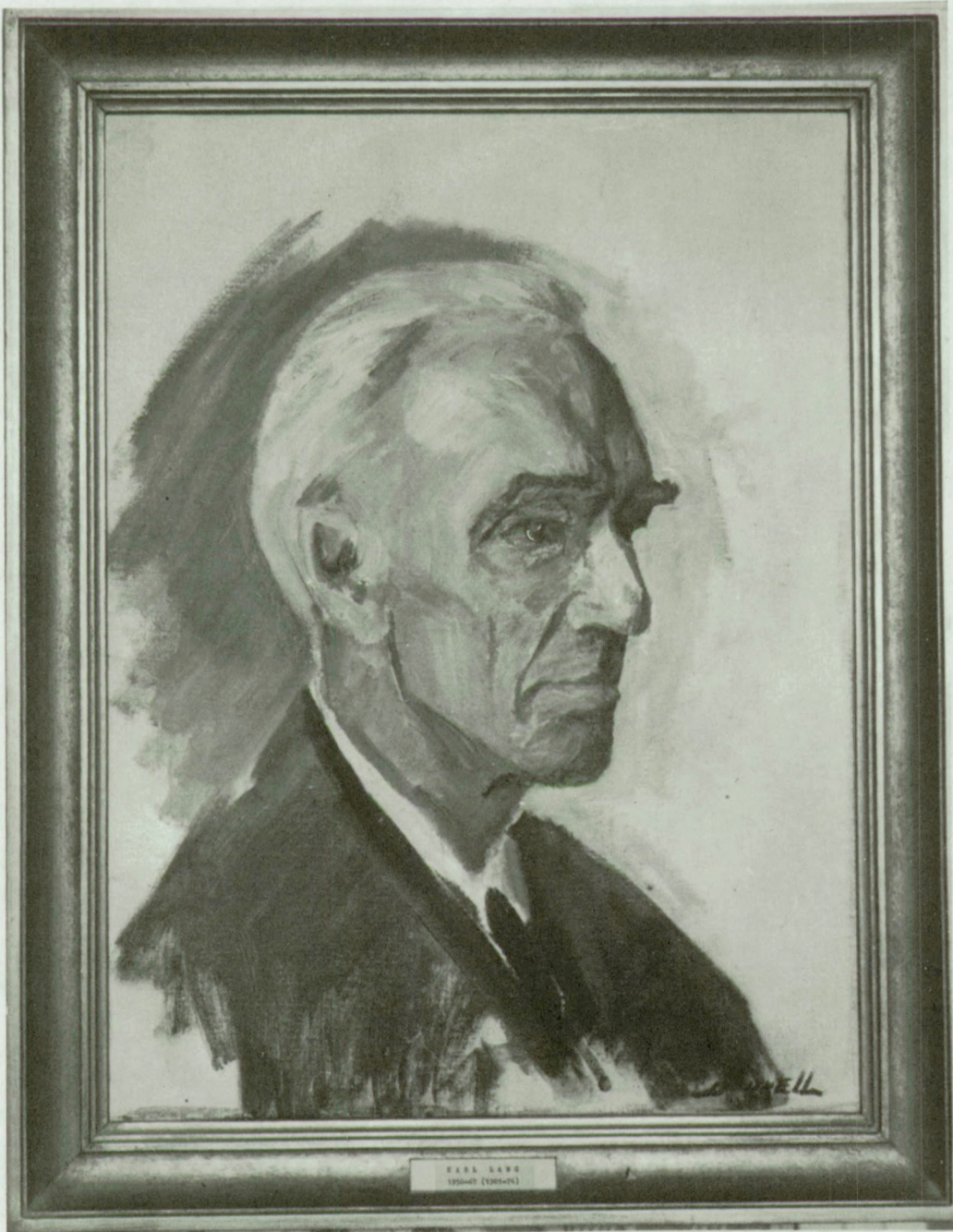
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by Philippe BODIN

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*To the memory of Karl LANG,
for the fiftieth anniversary
of his "Monographie der Harpacticiden"*

Preceding page: The portrait of Karl Lang (°21 July 1901-†14 March 1976) reproduced here from a photograph taken by Dr. Andres Warén, is exhibited in the entrance hall of the Department of Invertebrate Zoology in the Swedish Museum of Natural History.

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- Gutu, M., 1977. Karl Georg Herman Lang 1901-1976. *Travaux du Muséum d'histoire naturelle Gr. Antipa*. 17: 411-412.
- Karling, T., 1978. Lang, Karl Georg Herman. *Svenskt biografiskt lexikon*. pp: 244-246.

SUMMARY¹

Introduction.....	11	<i>Tetanopsis</i> Brady	36
Taxonomic analysis	15	<i>Halophytophilus</i> Brian	36
Fam. LONGIPEDIIDAE Sars, Lang	15	<i>Bradyellopsis</i> Brian	36
<i>Longipedia</i> Claus.....	15	<i>Arenosetella</i> Wilson	36
Fam. CANUELLIDAE Lang	17	<i>Hastigerella</i> Nicholls	38
<i>Sunaristes</i> Hesse	17	<i>Pseudectinosoma</i> Kunz	39
<i>Canuella</i> T. & A. Scott	17	<i>Ectinosomoides</i> Nicholls	39
<i>Brianola</i> Monard	18	<i>Noodtiella</i> Wells	39
<i>Canuellina</i> Gurney	18	<i>Lineosoma</i> Wells	40
<i>Canuellopsis</i> Lang	19	<i>Oikopus</i> Wells	40
<i>Ellucana</i> Sewell	19	<i>Peltobradya</i> Médioni & Soyer	40
<i>Ifanella</i> Vervoort	19	<i>Klieosoma</i> Hicks & Schriever	40
<i>Scottolana</i> Por	19	Fam. NEOBRADYIDAE Olofsson	41
<i>Galapacanuella</i> Mielke	20	<i>Neobradya</i> T. Scott	41
<i>Intercanuella</i> Becker & Schriever	20	<i>Antarcticobradya</i> Huys	41
<i>Parasunaristes</i> Fiers	20	<i>Marsteinia</i> Drzycimski	41
<i>Elanella</i> Por	21	Fam. DARCYTHOMPSONIIDAE Lang ..	42
<i>Coullana</i> Por	21	<i>Leptocaris</i> T. Scott	42
<i>Nathaniella</i> Por	21	<i>Darcythompsonia</i> T. Scott	44
<i>Microcanuella</i> Mielke	21	<i>Kristensenia</i> Por	44
<i>Intersunaristes</i> Huys	21	Fam. TACHIDIIDAE Sars, Lang	45
<i>Echinosunaristes</i> Huys	21	<i>Tachidius</i> Lilljeborg	45
Fam. AEGISTHIDAE Giesbrecht	22	<i>Tachidius</i> Shen & Tai	45
<i>Aegisthus</i> Giesbrecht	22	<i>Neotachidius</i> Shen & Tai	45
Fam. CERVINIIDAE Sars, Lang	23	<i>Microarthridion</i> Lang	45
<i>Cervinia</i> Norman	23	<i>Cithadius</i> Bowman	46
<i>Eucanuella</i> T. Scott	24	<i>Geeopsis</i> Huys	46
<i>Cerviniella</i> Smirnov	24	Fam. EUTERPINIDAE Brian	47
<i>Paracerviniella</i> Brodskaya	24	<i>Euterpina</i> Norman	47
<i>Expansicervinia</i> Montagna	24	Fam. THOMPSONULIDAE Lang	47
<i>Pontostratiotes</i> Brady	24	<i>Thompsonula</i> T. Scott	47
<i>Hemicervinia</i> Lang	26	<i>Caribbula</i> Huys & Gee	47
<i>Cerviniopsis</i> Sars	26	Fam. HARPACTICIDAE Sars	48
<i>Herdmaniopsis</i> Brodskaya	26	<i>Harpacticus</i> Milne-Edwards	48
<i>Stratiopontotes</i> Soyer	27	<i>Tigriopus</i> Norman	50
<i>Tonpostratiotes</i> Itô	27	<i>Harpacticella</i> Sars	51
Fam. ROTUNDICLIPEIDAE Huys	27	<i>Perisscope</i> Brady	51
<i>Rotundiclipeus</i> Huys	27	<i>Paratigriopus</i> Itô	51
Fam. STYRACOTHORACIDAE Huys ..	27	<i>Harpactichechus</i> Ortiz <i>et al.</i>	51
<i>Styracothorax</i> Huys	27	<i>Zaus</i> Goodsir	51
Fam. ECTINOSOMATIDAE Sars, <i>etc.</i> ..	28	<i>Zausodes</i> C.B. Wilson	53
<i>Ectinosoma</i> Boeck	28	<i>Zausopsis</i> Lang	53
<i>Halectinosoma</i> Lang	29	<i>Discoharpacticus</i> Noodt	53
<i>Bradya</i> Boeck	33	Fam. TISBIDAE Stebbing, Lang	54
<i>Bradya</i> Lang	33	<i>Tisbe</i> Lilljeborg	54
<i>Parabradya</i> Lang	33	<i>Scutellidium</i> Claus	57
<i>Microsetella</i> Brady & Robertson	34	<i>Sacodiscus</i> Wilson	59
<i>Sigmatidium</i> Giesbrecht	34	<i>Bathyidia</i> Farran	59
<i>Pseudobradya</i> Sars	34	<i>Tisbella</i> Gurney	59

¹ New taxa defined since the previous issue (1988) are in bold and preceded by an asterisk (*) in the text

<i>Paraidya</i> Sewell	59	<i>Dactylopusia</i> Norman	79
<i>Tisbentra</i> Sewell	60	<i>Paradactylopodia</i> Lang	81
<i>Volkmannia</i> Boxshall	60	<i>Eudactylopus</i> A. Scott	81
<i>Neotisbella</i> Boxshall	60	<i>Dactylopodopsis</i> Sars	82
<i>Drescheriella</i> Dahms <i>et al.</i>	60	<i>Dactylopusioides</i> Brian	83
<i>Zosime</i> Boeck	60	<i>Neodactylopus</i> Nicholls	83
<i>Idyella</i> Sars	61	<i>Paramenophia</i> Lang	83
<i>Tachidiella</i> Sars	61	<i>Sewellia</i> Lang	83
<i>Idyanthe</i> Sars	61	<i>Dactylophia</i> Becker	83
<i>Tachidiopsis</i> Sars	61	<i>Idomene</i> Philippi	84
<i>Idyellopsis</i> Lang	62	<i>Pseudotachidius</i> T. Scott	84
<i>Neoscutellidium</i> Zwerner	62	<i>Dactylopodella</i> Sars	85
<i>Peresime</i> Dinet	62	<i>Donsiella</i> Stephensen	85
<i>Cholidya</i> Farran	62	<i>Pseudonsiella</i> Hicks	86
<i>Cholidyella</i> Avdeev	62	<i>Apodonsiella</i> Hicks	86
<i>Brescianiana</i> Avdeev	63	<i>Xylora</i> Hicks	86
<i>Tripartisoma</i> Avdeev	63	<i>Oligoxylora</i> Hicks	86
<i>Yunona</i> Avdeev	60	Fam. AMBUNGUIPEDIIDAE Huys	87
<i>Octopinella</i> Avdeev	60	<i>Ambunguipes</i> Huys	87
<i>Avdeevia</i> Bresciani & Lützen	63	<i>Lucayostratiotes</i> Huys	87
<i>Idyanthopsis</i> Bocquet & Bozic	63	Fam. HAMONDIIDAE Huys	87
Fam. SUPERORNATIREMIDAE Huys	64	<i>Hamondia</i> Huys	87
<i>Neoechinophora</i> Huys	64	Fam. BALAENOPHILIDAE Sars	87
<i>Superornatirem</i> Huys	64	<i>Balaenophilus</i> Aurivillius	87
<i>Intercrusia</i> Huys	64	Fam. PARASTENHELIIDAE Lang	88
Fam. PORCELLIDIIDAE Sars	65	<i>Parastenhelia</i> Thomp. & A. Scott	88
<i>Porcellidium</i> Claus	65	Fam. DIOSACCIDAE Sars	89
<i>Acutiramus</i> Harris & Robertson	67	<i>Stenhelia</i> Boeck	89
<i>Tectacingulum</i> Harris	67	<i>Stenhelia</i> Lang	89
<i>Murramia</i> Harris	67	<i>Delavalia</i> Brady	89
<i>Kioloaria</i> Harris	67	<i>Diosaccus</i> Boeck	92
<i>Brevifrons</i> Harris	67	<i>Antiboreodiosaccus</i> Lang	93
<i>Clavigofera</i> Harris & Iwasaki	67	<i>Pseudodiosaccopsis</i> Lang	93
<i>Kushia</i> Harris & Iwasaki	68	<i>Robertsonia</i> Brady	93
Fam. PELTIDIIDAE Sars	69	<i>Amphiascus</i> Sars	94
<i>Peltidium</i> Philippi	69	<i>Amphiascopsis</i> Gurney	97
<i>Alteutha</i> Baird	69	<i>Dactylopodamphiascopsis</i> Lang	97
<i>Eupelte</i> Claus	70	<i>Amonardia</i> Lang	97
<i>Parapeltidium</i> A. Scott	71	<i>Pseudamphiascopsis</i> Lang	98
<i>Alteuthellopsis</i> Lang	71	<i>Metamphiascopsis</i> Lang	98
<i>Neopeltopsis</i> Hicks	71	<i>Paramphiascopsis</i> Lang	99
<i>Alteuthoides</i> Hicks	71	<i>Bulbamphiascus</i> Lang	99
Fam. CLYTEMNESTRIDAE A. Scott	72	<i>Robertgurneya</i> Lang	100
<i>Clytemnestra</i> Dana	72	<i>Typhlamphiascus</i> Lang	101
Fam. TEGASTIDAE Sars	72	<i>Rhyncholagena</i> Lang	102
<i>Tegastes</i> Norman	72	<i>Amphiascoides</i> Nicholls	102
<i>Parategastes</i> Sars	73	<i>Paramphiascella</i> Lang	103
<i>Syngastes</i> Monard	74	<i>Haloschizopera</i> Lang	105
<i>Feregastes</i> Fiers	74	<i>Schizopera</i> Sars	106
<i>Arawella</i> Cottarelli & Baldari	74	<i>Schizopera</i> Apostolov	106
Fam. THALESTRIDAE Sars, Lang	75	<i>Neoschizopera</i> Apostolov	108
<i>Thalestris</i> Claus	75	<i>Eoschizopera</i> Wells & Rao	109
<i>Amenophia</i> Boeck	75	<i>Eoschizopera</i> Apostolov	109
<i>Parathalestris</i> Brady & Robertson ...	75	<i>Praeoschizopera</i> Apostolov	109
<i>Phyllothalestris</i> Sars	76	<i>Ialysus</i> Brian	110
<i>Rhynchothalestris</i> Sars	77	<i>Teissierella</i> Monard	110
<i>Peltthestr</i> Monard	77	<i>Parialysus</i> Nicholls	110
<i>Diarthrodes</i> Thomson	77	<i>Psammotopa</i> Pennak	111
		<i>Cladorostrata</i> Shen & Tai	111

<i>Pholenota</i> Vervoort	111	Fam. PARAMESOCHRIDAE Lang	134
<i>Pseudostenhelix</i> Wells	111	<i>Paramesochra</i> T. Scott	134
<i>Paramphiascoides</i> Wells	112	<i>Leptopsyllus</i> T. Scott	135
<i>Actopsyllus</i> Wells	112	<i>Leptopsyllus</i> Kunz	135
<i>Schizoperoides</i> Por	112	<i>Paraleptopsyllus</i> Lang	136
<i>Protopsammotopa</i> Geddes	112	<i>Remanea</i> Klie	136
<i>Balucopsylla</i> Rao	112	<i>Apodopsyllus</i> Kunz	136
<i>Helmutkunzia</i> Wells & Rao	112	<i>Kliopsyllus</i> Kunz	137
<i>Onychostenhelix</i> Itô	112	<i>Scottopsyllus</i> Kunz	140
<i>Miscegenus</i> Wells, Hicks & Coull ..	112	<i>Scottopsyllus</i> Kunz	140
<i>Schizoperopsis</i> Apostolov	113	<i>Intermedopsyllus</i> Kunz	140
<i>Schizoperopsis</i> Apostolov	113	<i>Wellsopsyllus</i> Kunz	141
<i>Psammoschizoperopsis</i> Apost. ...	113	<i>Kunzia</i> Wells	141
Fam. MIRACIIDAE Dana	114	<i>Caligopsyllus</i> Kunz	141
<i>Miracia</i> Dana	114	<i>Biuncus</i> Huys	141
<i>Oculosetella</i> Dahl	114	<i>Meiopsyllus</i> Cottarelli & Forniz	141
<i>Macrosetella</i> A. Scott	114	<i>Diarthrodella</i> Klie	142
<i>Distiocus</i> Huys et al.	114	<i>Tisbisoma</i> Bozic	142
Fam. METIDAE Sars	115	<i>Rossopsyllus</i> Soyer	143
<i>Metis</i> Philippi	115	Fam. TETRAGONICIPITIDAE Lang ...	144
<i>Laubieria</i> Soyer	115	<i>Tetragoniceps</i> Brady	144
Fam. AMEIRIDAE Monard, Lang	116	<i>Phyllopodopsyllus</i> T. Scott	145
<i>Ameira</i> Boeck	116	<i>Pteropsyllus</i> T. Scott	148
<i>Proameira</i> Lang	118	<i>Diagoniceps</i> Willey	148
<i>Nitocra</i> Boeck	119	<i>Laophontella</i> Thomp. & A. Scott ...	148
<i>Psyllocamptus</i> T. Scott	121	<i>Oniscopsis</i> Chappuis	149
<i>Psyllocamptus</i> Kunz	122	<i>Protogoniceps</i> Por	149
<i>Langpsyllocamptus</i> Kunz	122	<i>Paraschizopera</i> Wells	149
<i>Ameiropsis</i> Sars	122	<i>Aigondiceps</i> Fiers	150
<i>Pseudameira</i> Sars	123	<i>Odaginiceps</i> Fiers	150
<i>Leptomesochra</i> Sars	123	<i>Godianiceps</i> Fiers	150
<i>Nitocrella</i> Chappuis	124	Fam. CANTHOCAMPTIDAE Sars, etc. ...	151
<i>Sarsameira</i> Wilson	125	<i>Mesochra</i> Boeck	151
<i>Sicameira</i> Klie	126	<i>Itunella</i> Brady	153
<i>Psammameira</i> Noodt	126	<i>Pholetiscus</i> Humes	153
<i>Karllangia</i> Noodt	126	<i>Ophirion</i> Por	154
<i>Pseudoleptomesochra</i> Lang	127	<i>Psammocamptus</i> Mielke	154
<i>Pseudoleptomesochrella</i> Lang	127	<i>Heteropsyllus</i> T. Scott	154
<i>Interleptomesochra</i> Lang	127	<i>Hemimesochra</i> Sars	155
<i>Parapseudoleptomesochra</i> Lang	128	<i>Nannomesochra</i> Gurney	155
<i>Praeleptomesochra</i> Lang	129	<i>Parepactophanes</i> Kunz	155
<i>Parevansula</i> Guille & Soyer	129	<i>Mesopsyllus</i> Por	155
<i>Paraleptomesochra</i> Wells	130	<i>Poria</i> Lang	155
<i>Parameiropsis</i> Becker	130	<i>Dahlakia</i> Por	155
<i>Limameira</i> Soyer	130	<i>Bathycamptus</i> Huys & Thistle	155
<i>Stygonitocrella</i> Petkovski	130	<i>Boreolimella</i> Huys & Thistle	156
<i>Nitocrellopsis</i> Petkovski	130	<i>Perucamptus</i> Huys & Thistle	156
<i>Ameiropsyllus</i> Bodin	130	<i>Pusillargillus</i> Huys & Thistle	156
<i>Pseudoameiropsis</i> Pallares	131	<i>Amphibiperita</i> Fiers & Rutledge	156
<i>Psammonitocrella</i> Rouch	131	<i>Cylindropsyllus</i> Brady	156
<i>Psammoleptomesochra</i> Mielke	131	<i>Evansula</i> T. Scott	157
<i>Stenocopia</i> Sars	131	<i>Stenocaris</i> Sars	157
<i>Malacopsyllus</i> Sars	132	<i>Cylinula</i> Coull	158
<i>Anoplosoma</i> Sars	132	<i>Boreopontia</i> Willems	158
<i>Haifameira</i> Por	132	<i>Stenocaropsis</i> Apostolov	158
Fam. CANCRINCOLIDAE Fiers	133	<i>Willemsia</i> Huys & Conroy-Dalton ..	158
<i>Cancrincola</i> Wilson	133	<i>Navalonia</i> Huys & Conroy-Dalton ..	159
<i>Antillesia</i> Humes	133	<i>Cletocamptus</i> Schmankevitch	159
<i>Abscondicola</i> Fiers	133	Fam. ORTHOPSYLLIDAE Huys	160
		<i>Orthopsyllus</i> Brady & Robertson	160

<i>Dionyx</i> Huys	161	<i>Fladenia</i> Gee & Huys	184
<i>Infrapedia</i> Huys	161	<i>Telopsammis</i> Gee & Huys	185
Fam. LEPTOPONTIIDAE Lang, <i>etc.</i>	162	<i>Archisenia</i> Huys & Gee	185
<i>Leptopontia</i> T. Scott	162	<i>Bathypsammis</i> Huys & Gee	185
<i>Arenopontia</i> Kunz	163	<i>Mucrosenia</i> Gee & Huys	185
<i>Arenopontia</i> Nicholls	163	<i>Sentiopsis</i> Huys & Gee	185
<i>Neoleptastacus</i> Nicholls	164	<i>Peltisenia</i> Huys & Gee	185
<i>Pararenopontia</i> Bodiou & Colom.	165	<i>Afrosenia</i> Huys & Gee	186
<i>Psammopsyllus</i> Nicholls	165	<i>Prionos</i> Huys & Gee	186
<i>Sewellina</i> Krishnaswamy	166	<i>Anapophysia</i> Huys & Gee	186
<i>Ichnusella</i> Cottarelli	166	Fam. HUNTEMANNIIDAE Por	186
<i>Notopontia</i> Bodiou	166	<i>Nannopus</i> Brady	186
<i>Syrticola</i> Willems & Claeys	166	<i>Huntemannia</i> Poppe	186
<i>Parasewellina</i> Cottarelli <i>et al.</i>	167	<i>Metahuntemannia</i> Smirnov	187
<i>Prosewellina</i> Mielke	167	<i>Talpina</i> Dahms & Pottek	188
Fam. LEPTASTACIDAE Lang, Huys	168	Fam. RHIZOTHRICIDAE Por	188
<i>Leptastacus</i> T. Scott	168	<i>Rhizothrix</i> Brady & Robertson	188
<i>Paraleptastacus</i> Wilson	168	<i>Tryphoema</i> Monard	189
<i>Psammastacus</i> Nicholls	170	Fam. ARGESTIDAE Por	190
<i>Arenocaris</i> Nicholls	170	<i>Fultonina</i> T. Scott	190
<i>Arenotopa</i> Chappuis & Rouch	170	<i>Mesocletodes</i> Sars	190
<i>Neopsammastacus</i> Cottarelli <i>et al.</i>	170	<i>Eurycletodes</i> Sars	192
<i>Minervella</i> Cottarelli & Venan.	171	<i>Eurycletodes</i> Lang	192
<i>Psamathea</i> Cottarelli & Venan.	171	<i>Oligocletodes</i> Lang	192
<i>Afroleptastacus</i> Huys	171	<i>Argestes</i> Sars	193
<i>Archileptastacus</i> Huys	171	<i>Leptocletodes</i> Sars	193
<i>Belemnopontia</i> Huys	172	<i>Argestigens</i> Willey	193
<i>Cerconeotes</i> Huys	172	<i>Odiliacletodes</i> Soyer	193
<i>Membranastacus</i> Huys	173	<i>Corallicletodes</i> Soyer	193
<i>Schizothrix</i> Huys	173	<i>Hypalocletodes</i> Por	193
<i>Sextonis</i> Huys	173	<i>Neoargestes</i> Drzycimski	194
Fam. LOURINIIDAE Monard	174	<i>Dizahavia</i> Por	194
<i>Lourinia</i> Wilson	174	<i>Megistocletodes</i> Por	194
Fam. CLETODIDAE T. Scott, Por	175	<i>Austrocletodes</i> Pallares	194
<i>Cletodes</i> Brady	175	<i>Pontocletodes</i> Apostolov	194
<i>Enhydrosoma</i> Boeck	176	<i>Rosacletodes</i> Wells	194
<i>Limnocletodes</i> Borutzky	178	<i>Actinocletodes</i> Fiers	194
<i>Stylicletodes</i> Lang	178	Fam. ADENOPLEURELLIDAE Huys	195
<i>Enhydrosomella</i> Monard	179	<i>Sarsocletodes</i> Wilson	195
<i>Monocletodes</i> Lang	179	<i>Mirolavia</i> Apostolov	195
<i>Acrenhydrosoma</i> Lang	179	<i>Adenopleurella</i> Huys	195
<i>Australonannopus</i> Hamond	179	<i>Proceropes</i> Huys	195
<i>Barbaracletodes</i> Becker <i>et al.</i>	179	Fam. LAOPHONTIDAE T. Scott	196
<i>Scintis</i> Por	180	<i>Laophonte</i> Philippi	196
<i>Interpletodes</i> Fiers	180	<i>Pseudonychocamptus</i> Lang	199
<i>Kollerua</i> Gee	180	<i>Heterolaophonte</i> Lang	200
<i>Strongylacron</i> Gee & Huys	180	<i>Paronychocamptus</i> Lang	201
<i>Schizacron</i> Gee & Huys	180	<i>Paralaophonte</i> Lang	202
Fam. PARANANNOPIDAE Por	181	<i>Asellopsis</i> Brady & Robertson	203
<i>Paranannopus</i> Lang	181	<i>Platychelipus</i> Sars	204
<i>Pseudomesochra</i> T. Scott	182	<i>Esola</i> Edwards	204
<i>Cylindronannopus</i> Coull	182	<i>Pseudolaophonte</i> A. Scott	205
<i>Danielssenia</i> Boeck	183	<i>Onychocamptus</i> Daday	205
<i>Jonesiella</i> Brady	183	<i>Laophontina</i> Norman & T. Scott....	205
<i>Psammis</i> Sars	183	<i>Harrietella</i> T. Scott	206
<i>Paradanielssenia</i> Soyer	184	<i>Hemilaophonte</i> Jakubisiak	206
<i>Leptotachidia</i> Becker	184	<i>Echinolaophonte</i> Nicholls.....	206
<i>Micropsammis</i> Mielke	184	<i>Pilifera</i> Noodt	207
<i>Carolinicola</i> Huys & Thistle	184	<i>Mourephonte</i> Jakobi	207

<i>Loureiophonte</i> Jakobi	207	Fam. CRISTACOXIDAE Huys	216
<i>Mictyricola</i> Nicholls	208	<i>Noodtorthopsyllus</i> Lang	216
<i>Klieonychocamptoides</i> Noodt	208	<i>Cubanocleta</i> Petkovski	216
<i>Klieonychocamptus</i> Noodt	208	<i>Cristacoxa</i> Huys	216
<i>Afroloaophonte</i> Chappuis	209	Fam. NORMANELLIDAE Lang, etc. .	217
<i>Microloaophonte</i> Vervoort	210	<i>Normanella</i> Brady	217
<i>Arenolaophonte</i> Lang	210	<i>Cletopsyllus</i> Willey	218
<i>Stygolaophonte</i> Lang	210	<i>Pseudocletopsyllus</i> Vervoort	218
<i>Psammolaophonte</i> Wells	210	<i>Pseudocleta</i> Lang	218
<i>Tapholeon</i> Wells	210	Fam. ANCORABOLIDAE Sars, Lang ..	219
<i>Apolethon</i> Wells	210	<i>Laophontodes</i> T. Scott	219
<i>Platylaophonte</i> Bodin	210	<i>Probosciphontodes</i> Fiers	219
<i>Coullia</i> Hamond	210	<i>Echinopsyllus</i> Sars	220
<i>Hoplolaophonte</i> Hamond	211	<i>Ceratonotus</i> Sars	220
<i>Phycolaophonte</i> Pallares	211	<i>Arthropsyllus</i> Sars	220
<i>Mexicolaophonte</i> Cottarelli	211	<i>Echinocletodes</i> Lang	220
<i>Namakosiramia</i> Ho & Perkins	211	<i>Paralaophontodes</i> Lang	220
<i>Galapalaophonte</i> Mielke	211	<i>Dorsiceratus</i> Drzycimski	221
<i>Quinquelaophonte</i> Mielke	212	<i>Patagoniaella</i> Pallares	221
<i>Novolaophonte</i> Cottarelli <i>et al.</i>	212	<i>Tapholaophontodes</i> Soyer	221
<i>Chilaophonte</i> Mielke	213	<i>Algensiella</i> Cottarelli & Baldari	221
<i>Maiquilaophonte</i> Mielke	213	Fam. LATIREMIDAE Bozic	221
<i>Lipomelum</i> Fiers	213	<i>Delamarella</i> Chappuis	221
<i>Indolaophonte</i> Cottarelli <i>et al.</i>	213	<i>Latiremus</i> Bozic	221
<i>Langia</i> Wells & Rao	213	<i>Arbutifera</i> Huys & Kunz	222
<i>Raptolaophonte</i> Cottarelli <i>et al.</i>	213	<i>Protolatrems</i> Itô	222
<i>Folioquinpes</i> Fiers & Rutledge	213	Harpacticoida gen. et fam. <i>incertae sedis</i>	222
<i>Xanthilaophonte</i> Fiers	214	<i>Goffinella</i> Wilson	222
<i>Wellsiphontina</i> Fiers	214	<i>Pyrocletodes</i> Coull	222
<i>Amerolaophontina</i> Fiers	214	References	223
<i>Robustunguis</i> Fiers	214	Index	263
<i>Elapholaophonte</i> Schizas <i>et al.</i>	214	Appendix	299
<i>Archilaophonte</i> Willen	214		
<i>Cornylaophonte</i> Willen	214		
<i>Weddellaophonte</i> Willen	215		
Fam. LAOPHONTOPSISIDAE Huys <i>et al.</i>	215		
<i>Laophontopsis</i> Sars	215		
<i>Aculeopsis</i> Huys & Willems	215		
<i>Telodocus</i> Huys & Willems	215		

INTRODUCTION

1948....1997: forty-nine years ago Karl Lang's precious '*Monographie der Harpacticiden*' was published. Now, on the eve of the 50th anniversary of the appearance of the monograph, the present version of my catalogue intends to honor Lang's masterpiece which until today still assists everyone to find their way in harpacticoid taxonomy.

Karl Lang started the compilation of the monograph in 1936 and finished the manuscript in 1944. Given the difficult circumstances after the second world war, it took 4 years to print the two volumes. Aware of this long delay, Lang published a preliminary account of the monograph in 1944 (Almquist & Wiksells Boktryckeri, Uppsala, 19 february 1944) in which he presented his systematic framework of the Harpacticoida. In less than 40 pages, Lang defined the sections (presently subordinates) **Polyarthra** and **Oligoarthra**, and their subdivisions in sub-sections, and superfamilies. Furthermore he re-diagnosed most known families, defined families (**Canuellidae**, **Paramesochridae**, **Tetragonicipitidae**) and several subfamilies, genera, subgenera, and species groups which served as a guideline for half a century.

However, after the publication of the two volumes of his monograph, this 1944 account has been generally neglected. Even Lang did not make reference to his earlier work anymore and confused the scientific world by the use of notations as *fam. nov.*, *genus nov.*, etc., and by the regrettable lack of type-species designation in the monograph. Consequently, references to taxa defined by Lang often received 1948 as a date, while the correct date is 1944. Because the 1944 paper of K. Lang became a curiosa and is not that easy to obtain, the whole list of taxa Lang dealt with is presented here in an appendix at the end of this catalogue.

In the past half a century our knowledge on diversity and systematics of harpacticoid copepods has tremendously been enriched. In **887 papers**, **17 families** and **295 genera** were defined, and more than **2000 species** or subspecies (exactly 2031) were described. Some of them (205 species, 14 genera) turned out to be junior synonyms or remain doubtful. Moreover, the description of many previously known species was amended and some were even completely redescribed. Many identification keys were updated. The genus *Phyllopodopsyllus* was enriched with 53 new species or subspecies, the genus *Tisbe* with 44, the genus *Schizopera* with 42, the genus *Halectinosoma* with 40, the genus *Kliopsyllus* with 34, etc... Finally, the taxonomy of some genera and families (mainly the Paramesochridae, the Cylindropsyllidae, the Cletodidae, the Laophontidae) was profoundly modified, and the synonymy became more and more cluttered; in some cases to such an extent that it is now difficult, indeed impossible, for a non-specialist to give a harpacticoid specimen a name without taking the risk to see his identification being erroneous and unusable.

My first catalogue, edited thirty years ago (1967), gave a rather incomplete inventory of synonyms and species described since the appearance of Lang's monograph. The successive additions, issued in 1971, 1973 and 1976, respectively, completed and amended the initial edition. From 1979 onwards, it became clear that it was much more logical to unify the previous editions in a single handy and updated volume. Now in 1997, in the 9 years since the latest edition (1988), **172 papers** completely or partially devoted to harpacticoid systematics have been published. Within this timespan, **12 new families** and **79 new genera** were created, and **263 new species** and/or **subspecies** were described.

The continuous stream of new taxa and amendments to the morphology of previously known species demanded another approach to present this new version of my catalogue. Apart from this printed version, the catalogue, compiled in MS WORD v 6.0, is now also available on diskette and by e-mail, allowing the user a personal and easy updating. I take this opportunity to again thank all the authors who sent me reprints of their papers, often with their encouragements to continue this work and, in several cases, adding their constructive criticisms. Without their help it would never have been possible to finish this work.

The frame of this new edition is identical to the previous one: the taxonomic analysis, listing all the systematic 'novelties'; followed by an index gathering all the bibliographic references; and ending with an alphabetical index of all scientific names included.

In the **taxonomic analysis** all families and genera are classified following Lang's order in his monograph, taxa more recently described following a chronological order. Names of genera created since the 1988 edition are marked with an asterisk. It is evident that all species known at the time Lang compiled his monograph are not included in the present catalogue. Only these species are included on which significant morphological and

morphological and systematical amendments (i.e. morphology, descriptions of previously unknown opposite sex, entire redescriptions, taxonomic position, etc.) appeared in the literature. A second part comprises the list of new species in chronologic order of their publication. For practical reasons, the subspecies are placed directly behind the species name. When only one sex has been described, this is indicated by the appropriate letter (**f** or **m**) behind the species name.

According to Art. 16 of the International Code of Zoological Nomenclature, the so-called 'forms' or 'varieties' created after 1960 are excluded from the zoological nomenclature, and have 'no raison d'être' (Pajaud, 1989). However, the catalogue includes all the names of those novelties for two reasons: (1) sometimes this rule has been ignored, and the 'forms' and 'varieties' are now currently considered as subspecies, and (2) some 'forms' and 'varieties' have been raised to species rank after their initial description. As such, it was considered necessary to mention herein all taxonomic acts published on harpacticoid copepod systematics.

The special problem of the species outstandingly described by K.H. Becker in his thesis (1972) was largely resolved: W. Noodt, G. Schriever and H. Kunz published most of them in a series of papers posthumously joined with the late Karl Becker. However, some other new species of Becker remain unpublished (without explanation from those co-authors); I mentioned them in this catalogue in case they should be found again. All the doubtful species and formae (whatever their 'raison d'être') or those of which the systematic status is still uncertain, were gathered at the end of each genus in a third paragraph. References to useful **keys** for identification of genera and species, as well as references to tables with the setal formulae are given directly behind the family or genus name.

With regard to the **synonymy**, it was often impossible for me to settle between conflicting opinions as I had not always the possibility to check the author's assertions. In most cases I confined myself to Lang's advice or to that of the most recent or the best documented reviewer.

Considering the huge amount of papers to consult, **freshwater** harpacticoid copepods were deliberately excluded from the present analysis, except for some genera which also contain marine representatives. As such the remarkable freshwater copepod family, Gelyellidae, described by Rouch & Lescher-Moutoué in 1977 is not included anymore. In contrast, harpacticoids found in **brackish water** (generally in estuaries) are included, as well as those living in close association with other invertebrates and with vertebrates as they may be found free-living in the open sea.

The second part of this work compiles the **bibliographic references** cited in the taxonomic analysis, except for those that were cited in Lang's monograph. Although his monograph was theoretically up to date in 1944, some references prior to this date do not appear in it; so they were added here. The year following the author's name is the one of the **true** date of appearance of the paper (as far as it was known or could be deduced). Evidently, this is the only date to be considered in discussions about priority (International Code of Zoological Nomenclature). For example, Lang's (1948) references to 'Boeck, 1864' is actually Boeck, 1865 and to 'T. Scott, 1904' is T. Scott, 1905; etc.

Finally, an **alphabetic index** comprises the names (in meaningful characters) of previous and new species, currently accepted or still uncertain, as well as synonyms. This index will allow the user to quickly find everything related to any species in the taxonomic analysis.

In conclusion, it is a heartwarming feeling to see that systematic studies on harpacticoid copepods appear at regular intervals and take a vast place in the systematic literature. Moreover, since Lang's monograph appeared 50 years ago, the accuracy and refinement of the descriptions have reached tremendously high levels, despite the rather low consideration generally attributed to this discipline within the scientific community.

This quantity and quality in observations as displayed in the last decades must be continued and largely encouraged, even if this leads to an impressive increase of the number of species. An ideal solution would be to systematically conduct crossbreeds under laboratory conditions in order to isolate 'true' species, as recommended by K. Lang (1965b). Such approaches can unequivocally reveal the existence of 'sibling species', as was demonstrated by B. Volkmann for the genus *Tisbe*. New developments and refinements in genetic analyses will certainly become important in the near future. This largely unexplored domain (but see: Gabrich *et al.*, 1991; Steinbrück *et al.*, 1991) will offer copepod systematics further possibilities to corroborate or falsify the hypotheses formulated in the past. But, apart from those modern and promising techniques, the rebirth of a century old interest in ultra-structural comparative morphology (i.e. Hosfeld, 1996), linked to a profound functional analysis, will provide us not only with the so needed basis to forward accurate hypotheses on the historical relationships, but also with a deeper understanding of the role and function of the harpacticoids in their

natural environment. Whatever the costs of systematic analyses, they remain the very basis for every ecological and biological study.

At last, I wish to thank K. Sindemark (S.M.N.H., Stockholm) for providing me with portraits of K. Lang. I wish also to warmly thank F. Fiers for his precious help in finalizing this English version and the Royal Belgian Institute of Natural Sciences to take charge of publishing a hard copy of this work. Of course, I am conscious of the short-lived character of such an undertaking: *“Dans un travail de la nature de ce catalogue, il y a toujours des imperfections, des oublis, des erreurs et des confusions, malgré tout le soin qu'on puisse apporter à le rédiger. Ce sera l'oeuvre de l'avenir de perfectionner cet essai. Mais, tel que nous l'aurons bâti, nous pensons qu'il rendra de précieux services aux zoologistes spécialisés dans l'étude de ce groupe. Et ceci justifie largement les efforts et le travail qu'il nous aura coûtés”* (Rose & Vaissière, 1952: *Catalogue préliminaire des Copépodes de l'Afrique du Nord*).

Brest, 25th August 1997

TAXONOMIC ANALYSIS

Huys *et al.* (1996) recently published the first part of a synopsis on marine and brackish water harpacticoid copepods from northwestern Europe. They provide keys and diagnoses (with illustrations) to families, genera and species known from the region extending from Bergen to Brest and from Hamburg to the British Islands.

Fam. **LONGIPEDIIDAE** Sars, 1903 (part.) *sensu* Lang, 1948

Genus *Longipedia* Claus, 1863

Genus revised by Wells, 1980.

Longipedia coronata Claus, 1863

Gonzales & Bowman (1965) proposed the selection of a neotype for *L. coronata* Claus from specimens described by Sars (1903) in order to 'legalize' the original reference to the latter rather than to Claus' description which was considered too inaccurate; but see Wells (1980) for discussion.

Synonymy: Kunz (1971b) considered the identification of Becker (1970) as the only correct one along the German coasts. According to Wells (1980), *L. weberi* A. Scott *sensu* Monard (1928) is probably synonymous with *L. coronata*.

Amendments: Nicholls, 1941a; Carvalho, 1952a (?); Pesta, 1959.

Redescription: Wells, 1980.

Longipedia minor T. & A. Scott, 1893

Amendments: Apostolov & Marinov, 1988.

Redescription: Wells, 1980: who assumed that *Longipedia* sp. Vilela (1965), *L. coronata* Claus *sensu* Norman (1869) and *sensu* Pesta (1959) are synonymous with this species,

Longipedia scotti Sars, 1903

Synonyms: *L. weberi* A. Scott (m) *sensu* Wells (1964), after Wells, 1980; this author supposed that *L. longispina* Monard (1928) and *L. australica* Nicholls (1941a) are synonyms of this species.

Redescription: Wells, 1980.

Longipedia rosea Sars, 1903

Amendments: Candeias, 1959.

Species considered as '*nomen dubium*' by Wells, 1980.

Longipedia weberi A. Scott, 1909

Description of the male: Itô, 1980b.

Amendments: Sewell, 1940.

Redescription: Itô, 1973 and 1980b; Wells, 1980. Itô (1980b) discussed the synonymy of *L. weberi*.

Longipedia brevispinosa Gurney, 1927

Redescription: Wells, 1980.

*Species novae****Longipedia helgolandica* Klie, 1949**

Synonyms: *L. minor helgolandica* Klie, 1949 (after Gonzales & Bowman, 1965 and Wells, 1980)

L. weberi A. Scott *sensu* Bodin, 1970, 1979b and 1979c (after Wells, 1980)

L. rosea Sars *sensu* Bodin, 1970, 1972a, 1972b, 1977b and 1979b (after Wells, 1980).

Amendments: Bodin, 1970 (as *L. weberi*); Yeatman, 1976.

Redescription: Gonzales & Bowman, 1965; Mielke, 1975; Wells, 1980; the latter suspects that *L. coronata* Claus *sensu* Moore (1973) is a synonym of *L. helgolandica*.

***Longipedia helgolandica santacruzensis* Mielke, 1979**

Wells (1980) discussed the possibility that this taxon is in fact a subspecies of *L. americana* Wells.

***Longipedia kikuchii* Itô, 1980b**

L. weberi A. Scott *sensu* Itô (1973) is considered (Itô, 1980b) as synonymous with this species; according to Wells (1980), *L. coronata* Claus *sensu* A. Scott (1909) probably is synonymous with this species.

***Longipedia nicholli* Wells, 1980**

Comb. nov. (Wells, 1980) for *L. coronata* Claus, 1863 *sensu* Nicholls, 1941a.

Longipedia andamanica* Wells, 1980**Longipedia andamanica nipponica* Itô, 1985*****Longipedia americana* Wells, 1980**

Synonyms: According to Wells (1980) *L. coronata* Claus *sensu* Williams (1906), *sensu* Fish (1925) and *sensu* Wilson (1932) are synonymous. The conspecificity is nearly certain for *L. coronata* Claus *sensu* King (1950); but is more doubtful for *L. coronata* Claus *sensu* Carvalho (1952a).

Amendments: Onbé, 1984.

***Longipedia spinulosa* Itô, 1981**

Species close to *L. weberi* and *L. coronata*, after Itô (1981).

*Species incertae****Longipedia ferox* Kritzagin, 1873 (after Wells, 1980)*****Longipedia pontica* Kritzagin, 1877 (after Wells, 1980)**

Por (1960a) thought that *L. minor* T. & A. Scott (1893) is probably a synonym of this species, although it has been reported as *L. pontica* by Marinov (1974b) along the Black Sea coasts.

Amendments: Apostolov, 1972 (who considered *L. minor* T. & A. Scott as a synonym of it) and 1973b; Wells (1980) considered Apostolov's material to be *L. minor*.

***Longipedia mourei* Jakobi, 1954b**

Could be a synonym of *L. americana* Wells, after Wells (1980).

***Longipedia pirgos* Apostolov, 1972**

Synonym: *L. pontica* Apostolov, 1969b (preoccupied name).

***Longipedia* sp. (f) Fiers, 1984c**

Fam. **CANUELLIDAE** Lang, 1944

Por (1967) reviewed the family and defined the new genus, *Scottolana*. In this review, the features 'Ist thoracal segment fused' and 'Ist thoracal segment free' are considered of secondary importance to distinguish the taxa; the number of pereopod segments seems more useful and natural to distinguish the genera. Most authors adopted this classification. In a more recent review of the **Canuellidae**, Por (1984) created several new genera.

Key to the genera: Huys, 1995c.

Genus *Sunaristes* Hesse, 1867

Hamond (1973e) gave a key to the four species he considered as valid (*S. paguri* Hesse, *S. dardani*, *S. inaequalis*, *S. tranteri*) and suggested a synonymy for the other known species in this genus.

Sunaristes paguri Hesse, 1867

Amendments: Apostolov & Marinov, 1988.

*Species novae**Sunaristes inaequalis* Humes & Ho, 1969a

Amendments: Humes, 1972.

Sunaristes tranteri Hamond, 1973e

Amendments: Humes, 1981c; Wells & Rao, 1987.

Sunaristes japonicus Ho, 1986*Species incerta**Sunaristes bulbosus* Por, 1964a

Por (1967) allocated this species to the genus *Scottolana* as *S. bulbosa* (*S. bulbosum* in table III); but reviewed (Por, 1984) his former decision concluding that the systematical status of the species remains uncertain. Hamond (1973e) considered *Sunaristes bulbosus* Por as a synonym of *S. curticaudata* (Thompson & A. Scott, 1903) *sensu* A. Scott, 1909 (as *Canuella curticaudata*). Fiers (1982), however, disproved this synonymy.

Genus *Canuella* T. & A. Scott, 1893*Canuella perplexa* T. & A. Scott, 1893

Amendments: Por, 1960a; Dussart, 1967; Bodin, 1970; Apostolov, 1972, 1973b and 1973c; Mielke, 1975; Glatzel, 1988; Apostolov & Marinov, 1988.

Canuella furcigera Sars, 1903

Amendments: Vos, 1945; Petkovski, 1955b; Por, 1960a; Apostolov, 1972 and 1973b; Glatzel, 1988; Apostolov & Marinov, 1988.

*Species nova**Canuella pontica* Apostolov, 1971b, 1973b

The 1971b paper provided only some illustrations, while the 1973b paper stressed the main differences between *C. pontica*, *C. perplexa* and *C. furcigera*. According to Por (1984) the identification needs to be restudied.

Amendments: Apostolov & Marinov, 1988.

Species incertae

Canuella indica (f) Krishnaswamy, 1957b

In his thesis, Becker (1972) erected the new genus *Indicanuella* to include this species. But, as this reference cannot be regarded as a publication (I.C.Z.N. Art. 9, § 11), the genus *Indicanuella* is not valid. Because of its incomplete description, the species was considered as doubtful by Por (1984).

Canuella brevifurca (f) Wells, 1967

According to its author, the validity of this species remains doubtful until the discovery of the male.

Canuella sp. Huys *et al.*, 1996

Genus *Brianola* Monard, 1926

Review of the genus and Key to the species: Hamond, 1973e.

Brianola stebleri Monard, (1926), 1927

Description of the male: Raibaut, 1962; Por, 1964a.

Amendments: Bodin, 1964; Petkovski, 1964b.

Species novae

Brianola exigua Por, 1967

Brianola curvirostris (f) Bozic, 1968

Brianola sydneyensis Hamond, 1973e

Amendments: Wells & Rao, 1987.

Brianola elegans Hamond, 1973e

Brianola vangoethemi Fiers, 1982

Brianola hamondi Wells & Rao, 1987

Species incerta sedis

Brianola pori Hamond, 1973e

Por (1984) advanced the opinion, that this species should be assigned to another genus.

Species incerta

Brianola sp. Huys *et al.*, 1996

Nomen nudum

Brianola minima Por, 1969a (p. 170)

Genus *Canuellina* Gurney, 1927

Canuellina insignis Gurney, 1927

Description of the male: Por, 1969a.

Species novae

Canuellina femur Por, 1967

Canuellina onchophora Por, 1967

Canuellina canalis Por, 1969a

Canuellina secunda (Coull, 1971)

Canuellina tuba (m) Por, 1983b

Species incerta sedis

Canuellina nicobaris Wells & Rao, 1987

The generic status of this species has to be confirmed (Huys, 1995c).

Genus *Canuellopsis* Lang, 1936

Species novae

Canuellopsis swedmarki Por, 1964b

Canuellopsis mediterranea (f) Soyer, 1966

Genus *Ellucana* Sewell, 1940

Originally defined as subgenus in the genus *Canuella*, Lang (1948, p. 1615) enlisted the name without discussion. Coull (1971b) raised the rank to genus level. He was followed in that by Por & Marcus (1972). But Por (1984) considered the description of *Ellucana longicauda* Sewell (1940) far too incomplete to be certain of its systematic position. Fiers (1984b, 1984c) confirmed the validity of the genus.

Ellucana longicauda (f) Sewell, 1940

Amendments: Fiers (1982).

Description of the male: Fiers (1984b).

Ellucana secunda Coull, 1971b

Por (1984) assigned this species to the genus *Canuellina*.

Amendments: Fiers (1984c) as *Ellucana secunda*.

Genus *Ifanella* Vervoort, 1964

Ifanella chacei (m) Vervoort, 1964

Por (1984) transferred this species to the genus *Brianola*, but Huys *et al.* (1996) considered the genus *Ifanella* as valid and included it in their key.

Genus *Scottolana* Por, 1967

Revision of the genus: Por, 1967.

Scottolana longipes (Thompson & A. Scott, 1903)

Comb. nov. (Por, 1967) for *Sunaristes longipes* Thompson & A. Scott, 1903.

Description of the male: Por, 1964a.

Redescription: Wells, 1967, who assumed that the mediterranean specimens of Por (1964a) represent a special 'race'.

Amendments: Wells & Rao, 1987.

Species novae.

Scottolana bulbifera (Chislenko, 1971)

Comb. nov. (Wells, 1976) for *Canuella bulbifera* Chislenko, 1971. The systematic position of this species was not discussed by Por (1984).

Scottolana glabra Fiers, 1982

Scottolana dissimilis Fiers, 1982

Scottolana uxoris Por, 1983b

Scottolana antillensis Fiers, 1984c

Scottolana oleosa Wells & Rao, 1987

Scottolana tumidiseta (f) Wells & Rao, 1987

Scottolana rostrata Wells & Rao, 1987

Species incerta

Scottolana scotti (Sewell, 1940)

Comb. nov. (Por, 1967) for *Canuella scotti* Sewell, 1940; but the species was not accepted by Lang (1948, p. 1615); Por (1984) considered its systematic position uncertain because of the absence of the male.

Amendments: Ummerkutty, 1966.

Genus *Galapacanuella* Mielke, 1979

Galapacanuella beckeri Mielke, 1979

Amendments: Mielke, 1994

Genus *Intercanuella* Becker & Schrieffer, 1979

Because the male is unknown, Por (1984) considered the systematic position of *Intercanuella lima* Becker & Schrieffer (1979) doubtful. But the genus was included in the latest key (Huys *et al.*, 1996).

Genus *Parasunaristes* Fiers, 1982

Por (1984), whose paper was submitted at the 1st Int. Conf. on Copepoda in 1981, was unaware of the definition of this genus.

Parasunaristes cucullaris Fiers, 1982

Parasunaristes chelicerata (Por & Marcus, 1972)

Comb. nov. (Fiers, 1982) for *Ellucana chelicerata* Por & Marcus, 1972, a species Por (1984) assigned to the genus *Sunaristes* Hesse as *Sunaristes cheliceratum*.

Amendments: Falck & Bowman, 1994.

Genus **Elanella* Por, 1984*Elanella elanitica* (Por, 1967)

Comb. nov. (Por, 1984) for *Canuella elanitica* Por, 1967.

Elanella paenelanitica (Fiers, 1982)

Comb. nov. (Huys, 1995c) for *Canuella paenelanitica* Fiers, 1982 (described under the wrong name *C. paenelantica* by Fiers). Species close to *Elanella elanitica* (Por, 1967) (not *elanitica* as erroneously written in Fiers, 1982). Por (1984) was not aware of the description of this species.

Genus **Coullana* Por, 1984*Coullana canadensis* (Willey, 1923)

Comb. nov. (Por, 1984) for *Canuella canadensis* Willey, 1923. Por (1967) previously, included the species in the genus *Scottolana*.

Synonym: *Canuella elongata* Wilson, 1932 (after Coull, 1972).

Redescription of the female and description of the male: Coull (1972), as *Scottolana canadensis*.

Genus **Nathaniella* Por, 1984*Nathaniella reichi* (Por, 1964)

Comb. nov. (Por, 1984) for *Canuella reichi* Por, 1964a. Por (1967) previously included the species in the genus *Brianola*.

Genus **Microcanuella* Mielke, 1994a*Microcanuella bisetosa* (f) Mielke, 1994aGenus **Intersunaristes* Huys, 1995c*Intersunaristes curticaudatus* (Thompson & A. Scott, 1903)

Comb. nov. (Huys, 1995c) for *Sunaristes curticaudata* Thompson & A. Scott, 1903.

Synonym: *Parasunaristes curticaudata* (Thompson & A. Scott, 1903) *sensu* Fiers, 1982. Por (1967) included this species in the genus *Scottolana*.

Intersunaristes dardani (Humes & Ho, 1969)

Comb. nov. (Huys, 1995c) for *Sunaristes dardani* Humes & Ho, 1969a.

Synonym: *Parasunaristes dardani* (Humes & Ho, 1969a) *sensu* Fiers, 1982.

Amendments: Humes, 1971 (as *Sunaristes dardani*).

Genus **Echinosunaristes* Huys, 1995c*Echinosunaristes bathyalis* Huys, 1995c

Species living in association with the sea urchin *Palaeopneustes* sp.

Species incerta sedis

Sunaristes inopinata Thompson & A. Scott, 1903

Por (1967) attributed the species to the genus *Scottolana*.

Nomen nudum

Ellucana steinitzi Por & Marcus, 1972 (p. 273)

Fam. **AEGISTHIDAE** Giesbrecht, 1892

Genus *Aegisthus* Giesbrecht, 1891

Aegisthus mucronatus Giesbrecht, 1891

Amendments: Boxshall, 1979; Huys, 1988b.

Redescription (f): Gamô, 1983.

Aegisthus aculeatus Giesbrecht, 1891

Amendments: Boxshall, 1979.

Aegisthus spinulosus Farran, 1905

Amendments: Boxshall, 1979.

Fam. **CERVINIIDAE** Sars, 1903 *sensu* Lang, 1948

In a work devoted to this family, Brodskaya (1963) erected two subfamilies: the Cerviniinae including the genera *Cervinia* Norman, *Eucanuella* T. Scott, *Cerviniella* Smirnov and *Paracerviniella* Brodskaya, and the Cerviniopsinae with the genera *Pontostratiotes* Brady, *Herdmania* Thompson (now *Hemicervinia* Lang), *Cerviniopsis* Sars, *Herdmaniopsis* Brodskaya and *Pseudocervinia* Brodskaya. Por (1969b) pointed out to some mistakes in the indications of the gender of the specimens illustrated in Brodskaya's posthumous paper.

Key to the genera: Montagna, 1981.

Subfam. **Cerviniinae** Brodskaya, 1963Genus *Cervinia* Norman, 1878

Key to the species: Montagna, 1979, 1981.

Synonym: *Pseudocervinia* Brodskaya (1963) according to Montagna, 1979 and 1981.

Cervinia bradyi Norman, 1878

Amendments: Por, 1964a and 1967; Drzycimski, 1969.

Cervinia synarthra Sars, 1910

Amendments: Por, 1967.

*Species novae**Cervinia magna* (f) Smirnov, 1946

Synonym: *Pseudocervinia magna* Smirnov *sensu* Brodskaya (1963), after Montagna, 1981.

Description of the male: Montagna, 1981.

Cervinia tenuiseta (f) Brodskaya, 1963

Redescription: Por, 1969b.

Cervinia brevipes (f) Brodskaya, 1963*Cervinia tenuicauda* (f) Brodskaya, 1963*Cervinia langi* Montagna, 1979

Redescription (f): Itô, 1983.

Cervinia unisetosa (f) Montagna, 1981

Synonym: *Cervinia* sp. B *sensu* Montagna & Carey, 1978.

Cervinia plumosa (m) Itô, 1983*Species incertae*

Cervinia sp. aff. *langi* Montagna *sensu* Itô, 1983

Cervinia sp. aff. *tenuiseta* Brodskaya *sensu* Itô, 1983

Genus *Eucanuella* T. Scott, 1900

Species novae

Eucanuella langi (m) Por, 1964a

Eucanuella reticulata Soyer, 1970a

Eucanuella longirostrata (m) Itô, 1983

Genus *Cerviniella* Smirnov, 1946

Key to the species: Bodin, 1968b; Coull, 1973b.

Synonym: *Askalonia* Por, 1964a.

Cerviniella mirabilipes (f) Smirnov, 1946

Cerviniella talpa (f) (Por, 1964)

Comb. nov. (Bodin, 1967) for *Askalonia talpa* Por, 1964a.

Cerviniella langi (f) Bodin, 1968b

Cerviniella lagarderei (f) Bodin, 1968b

Cerviniella brodskayae (f) Por, 1969b

Cerviniella peruana (f) Becker, 1974

Cerviniella hamata (f) Coull, 1973b

Cerviniella bodini (f) Coull, 1973b

Genus *Paracerviniella* Brodskaya, 1963

Paracerviniella denticulata (m) Brodskaya, 1963

Genus *Expansicervinia* Montagna, 1981

Expansicervinia glaciera (f) Montagna, 1981

Subfam. **Cerviniopsinae** Brodskaya, 1963

Genus *Pontostratiotes* Brady, 1883

Review of the genus and key to the species: Dinét, 1978.

Pontostratiotes abyssicola Brady, 1883

Redescriptions: Dinét, 1978; Itô, 1982a.

Pontostratiotes scotti (f) Brodskaya, 1959

Nom. nov. (Brodskaya, 1959) for *P. abyssicola* Brady, 1883 *sensu* T. Scott, 1910.

Redescription: Por, 1969b.

Pontostratiotes horrida (f) Brodskaya, 1959

Redescription: Por, 1969b (who indicated that the original description of *P. horrida* was based on a female and not on a male).

Pontostratiotes glaber Por, 1969b

Pontostratiotes pubescens Por, 1969b

Pontostratiotes alatus (f) Por, 1969b

Pontostratiotes inermis (f) Por, 1969b

Pontostratiotes sixtorum (f) Por, 1969b

Pontostratiotes sixtorum Por, 1969b *mindanaoensis* (m) Itô, 1982a

Pontostratiotes microserrulatus (f) Por, 1969b

Pontostratiotes peruanus Becker & Schriever, 1979

This species was not mentioned in Becker (1974).

Pontostratiotes acanthoferens (f) Yamanaka, 1973

Pontostratiotes vasconiensis Dinét, 1978

Pontostratiotes ceciliae Dinét, 1978

Pontostratiotes denticulatus Dinét, 1978

Pontostratiotes vivierae Dinét, 1978

Pontostratiotes vitielloi (f) Dinét, 1978

Pontostratiotes lubricus (f) Dinét, 1978

Pontostratiotes barnetti Dinét, 1978

Pontostratiotes gladius Dinét, 1978

Pontostratiotes uxoris (f) Dinét, 1978

Pontostratiotes pori (f) Dinét, 1978

Nom. nov. (Dinét, 1978) for *P. abyssicola* Brady, 1883 *sensu* Por, 1969b.

Pontostratiotes minor Dinét, 1981

Pontostratiotes fontani Dinét, 1981

Pontostratiotes pacificus Itô, 1982a

Pontostratiotes unisetosus Itô, 1982a

Pontostratiotes robustus (m) Itô, 1982a.

Species incerta

Pontostratiotes sp. (m) Por, 1969b

Genus *Hemicervinia* Lang, 1935

Synonymy: this name proposed by Lang (1935), was considered (Lang, 1948) synonymous with *Herdmania* I.C. Thompson (1893); the name was restored by Por (1964a) since the name *Herdmania* has been used by Lahille, 1888 for a genus of Tunicates.

Hemicervinia stylifera (I.C. Thompson, 1893)

Amendments: Por, 1964a.

Genus *Cerviniopsis* Sars, 1909

Key to the species: Brodskaya, 1963; Soyer, 1970a.

Species novae

Cerviniopsis inermis (f) Smirnov, 1946

Cerviniopsis gorbunovi (f) Smirnov, 1946

Cerviniopsis acutirostris (f) Brodskaya, 1963

Cerviniopsis curviseta (f) Brodskaya, 1963

Cerviniopsis obtusirostris (f) Brodskaya, 1963

Redescription: Por, 1969b.

Cerviniopsis smirnovi (f) Por, 1969b

Cerviniopsis langi (f) Soyer, 1970a

Cerviniopsis muranoi Itô, 1983

Cerviniopsis minutiseta (m) Itô, 1983

Species incerta

Cerviniopsis sp. aff. *curviseta* Brodskaya, 1963: Itô, 1983

Genus *Herdmaniopsis* Brodskaya, 1963

Synonym: *Ameliotes* Por (1969b), after Itô, 1982a.

Herdmaniopsis abyssicola (f) Brodskaya, 1963

Herdmaniopsis malagassica (Por, 1969)

Comb. nov. (Itô, 1982a) for *Ameliotes malagassicus* Por, 1969b.

Genus *Stratiopontotes* Soyer, 1970a

According to Montagna (1981), this genus is probably synonymous with *Ameliotes* Por (1969b). However, Itô (1982a) disregarded this opinion and considered *Ameliotes* (named by mistake *Ameriotes* by Itô) as a synonym of *Herdmaniopsis* Brodskaya.

Stratiopontotes mediterraneus (f) Soyer, 1970a

The termination '-nea' was corrected by Montagna (1981) and Itô (1982a).

Redescription: Itô, 1982a.

Genus *Tonpostratiotes* Itô, 1982a

Tonpostratiotes tenuipedalis (f) Itô, 1982a

Fam. ***ROTUNDICLIPEIDAE** Huys, 1988a

According to its author, this new family belongs to the **Cervinioidea**, including the **Cerviniidae** and the **Aegisthidae**.

Genus **Rotundiclipeus* Huys, 1988a

Rotundiclipeus canariensis Huys, 1988a

Fam. ***STYRACOTHORACIDAE** Huys, 1993

According to its author, this family is considered to belong to the **Cervinioidea**.

Genus **Styracothorax* Huys, 1993

Styracothorax gladiator (f) Huys, 1993

Fam. **ECTINOSOMATIDAE** Sars, 1903 (part.), Olofsson, 1917

The name Ectinosomidae was corrected by C.G. Moore (1978a).

Key to the genera: Lang, 1965b (p. 14).

The subgenera *Ectinosoma* and *Halectinosoma* are now considered as distinct genera. The genus *Pararenosetella* Lang (1944) was suppressed by Lang (1965b). The species were distributed among the genera *Hastigerella* Nicholls, 1935 (reinstated by Lang), *Ectinosoma* Boeck and *Halectinosoma* Lang.

Genus *Ectinosoma* Boeck, 1865

Key to the species: Lang, 1965b (p. 18).

Ectinosoma melaniceps Boeck, 1865

Synonym: *Ectinosoma melaniceps* var. *tuberculata* Roe, 1958 (after Lang, 1965b).

Amendments: Vos, 1945; Klie, 1949 (as *E. (Ectinosoma) melaniceps*); Pesta, 1959; Bozic, 1964a; Lang, 1965b; Chislenko, 1967 and 1977; Dinet, 1971; Mielke, 1974; Apostolov & Marinov, 1988; Dahms, 1989.

Redescription: Pallares, 1970.

Ectinosoma normani T. & A. Scott, 1894

Synonym: *Ectinosoma* sp. Roe, 1958 (after Lang, 1965b, p. 16).

Amendments: Lang, 1965b (who erroneously ascribed this species to Boeck); Apostolov & Marinov, 1988.

Ectinosoma tenuipes T. & A. Scott, 1894

Amendments: Lang, 1965b (p. 33-34).

Ectinosoma obtusum Sars, 1920

Description of the male: Wells, 1964.

Amendments: Petkovski, 1964b.

*Species novae**Ectinosoma dentatum* Steuer, 1940

Synonyms: ? *E. normani* T. & A. Scott *sensu* Monard, 1928 (after Lang, 1965b, p. 16 and 17).

E. (Ect.) couceroi Jakobi & Nogueira, 1960.

Amendments: Pesta, 1959; Petkovski, 1964b; Wells & Rao, 1987.

Ectinosoma reductum Bozic, 1955

Synonym: *Ectinosoma reductum listensis* Mielke (1975), after Wells & Rao, 1987.

Ectinosoma litorale (Noodt, 1958)

Comb. nov. (Lang, 1965b) for *Pararenosetella litoralis* Noodt, 1958b.

Ectinosoma acutorostratum (f) Vervoort, 1962*Ectinosoma ghardaqense* (f) (Noodt, 1964)

Comb. nov. (Lang, 1965b) for *Pararenosetella ghardaqensis* Noodt, 1964.

Ectinosoma paradentatum (f) Bozic, 1965

This species probably is a synonym of *E. dentatum* (after Wells & Rao, 1987)

Ectinosoma paranormani Lang, 1965b

Synonym: (?) *E. normani* T. & A. Scott *sensu* Chappuis, 1958.

Ectinosoma breviararticulatum (f) Lang, 1965b

Ectinosoma californicum (f) Lang, 1965b

Amendments: Wells, 1967.

Description of the male: Wells, 1967.

Ectinosoma virginensis Coull, 1971a

Species close to *E. breviararticulatum* Lang.

Ectinosoma vervoorti (f) Soyer, 1972a

This species probably is a synonym of *E. dentatum* (after Wells & Rao, 1987).

Ectinosoma pruvoti (f) Soyer, 1972a

Ectinosoma mediterraneum Kunz, 1975a

Ectinosoma soyeri Apostolov, 1975

Amendments: Apostolov & Marinov, 1988.

Ectinosoma barbicauda (f) Bozic, 1978b

Species considered closely related with *E. californicum* Lang.

Ectinosoma pectinatum Mielke, 1979

Ectinosoma nonpectinatum Mielke, 1979

Ectinosoma andamanica (f) Rao, 1993

Species incertae

Ectinosoma (*E.*) n. sp. (f) aff. *compressum* Sars *sensu* Klie (1949)

Ectinosoma tholomiges (f) Jakobi, 1954b

Ectinosoma tholophilos (f) Jakobi, 1954b

Both species described by Jakobi were considered as doubtful by Lang (1965b).

Ectinosoma sp. I (f), II (m), III (f), IV (f) and V *sensu* Mielke, 1979

Genus *Halectinosoma* Lang, 1944, 1965b

The genus was partially reviewed by Clément & Moore, 1995.

Key to the species: Lang, 1965b (p. 34); Clément & Moore, 1995 (part.).

Halectinosoma herdmani (T. & A. Scott, 1894)

Synonym (?): *H. elongatum* (Sars, 1904), after Por (1964a).

Description of the male: Klie, 1949 (as *Ectinosoma* (*H.*) *herdmani*).

Amendments: Por, 1964a (as *Ectinosoma herdmani*); Chislenko, 1967; Becker, 1970; Moore, 1976b; Apostolov & Marinov, 1988.

***Halectinosoma tenuireme* (T. & A. Scott, 1894)**

Comb. nov. (Lang, 1965b) for *Pararenosetella tenuiremis* T. & A. Scott (after Lang, 1965b).

Amendments: Kunz, 1949 (as *Pararenosetella tenuiremis*); Wells & Rao, 1987.

Description of the male: Kunz, 1949 (as *Pararenosetella tenuiremis*).

***Halectinosoma abrau* (Kritzagin, 1877)**

Amendments: Hensen, 1952 (as *Ectinosoma* (*H.*) *abrau*); Veldre & Maesmits, 1956 (as *Ectinosoma abrau*); Apostolov & Marinov, 1988.

***Halectinosoma gothiceps* (Giesbrecht, 1881)**

Description of the male: Klie, 1949; Roe, 1958 (as *Ectinosoma* (*H.*) *gothiceps*).

Amendments: Vos, 1945 (as *Ectinosoma gothiceps*); Chislenko, 1967; Mielke, 1975; Letova, 1982.

***Halectinosoma curticorne* (Boeck, 1872)**

Amendments: Veldre & Maesmits, 1956 (as *Ectinosoma curticorne*); Chislenko, 1967; Letova, 1982; Apostolov & Marinov, 1988.

***Halectinosoma erythrops* (Brady & Robertson, 1875)**

Comb. nov. (Lang, 1965b) for *Pararenosetella erythrops* Brady & Robertson, 1875.

***Halectinosoma gracile* (T. & A. Scott, 1894)**

Comb. nov. (Lang, 1965b) for *Pararenosetella gracilis* T. & A. Scott, 1894.

***Halectinosoma longicorne* (T. & A. Scott, 1894)**

Comb. nov. (Lang, 1965b) for *Pararenosetella longicornis* T. & A. Scott, 1894.

***Halectinosoma armiferum* (T. & A. Scott, 1894)**

Description of the male: Wells, 1965b (as *Ectinosoma* (*H.*) *armiferum*).

***Halectinosoma chrystalli* (T. Scott, 1894)**

Synonyms: *Ectinosoma propinquum* T. & A. Scott, 1894 and *Halectinosoma propinquum* (T. & A. Scott) *sensu* Lang, 1948 (after Clément & Moore, 1995).

Redescription: Clément & Moore, 1995. Identifications by Bodin, 1964 (as *Ectinosoma* (*Halec.*) *propinquum*) and Moore, 1976b were questioned by Clément & Moore (1995).

***Halectinosoma finmarchicum* (T. Scott, 1903)**

Amendments: Becker, 1970; Chislenko, 1977.

***Halectinosoma neglectum* (Sars, 1904)**

Amendments: Lang, 1965b (p.44-47); Letova, 1982 (?); Clément & Moore, 1995.

***Halectinosoma brevirostre* (Sars, 1904)**

Amendments: Chislenko, 1967; Apostolov & Marinov, 1988.

***Halectinosoma brunneum* (Brady, 1905)**

Redescription: Clément & Moore, 1995.

***Halectinosoma proximum* (Sars, 1919)**

Redescription: Clément & Moore, 1995.

***Halectinosoma angulifrons* (Sars, 1919)**

Redescription: Clément & Moore, 1995.

***Halectinosoma distinctum* (Sars, 1920)**

Description of the male: Bodin, 1970.

***Halectinosoma clavatum* (Sars, 1920)**

Halectinosoma brunneum (Brady) *sensu* Chislenko (1967) is probably a synonym of this species.

Lang (1948) synonymized *H. clavatum* with *H. brunneum*, but Clément & Moore (1995) considered them as two distinct species after examination of the type-series.

*Species novae****Halectinosoma intermedium* (f) (Nicholls, 1940)**

Comb. nov. (Lang, 1965b) for *Ectinosoma intermedia* Nicholls, 1940.

***Halectinosoma littorale* (f) (Nicholls, 1940)**

Comb. nov. (Lang, 1965b) for *Ectinosoma littoralis* Nicholls, 1940.

***Halectinosoma oblongum* (f) (Kunz, 1949)**

Comb. nov. (Lang, 1965b) for *Ectinosoma oblongum* Kunz, 1949 and *Pararenosetella oblongum* (Kunz, 1949) *sensu* Noodt (1955c).

***Halectinosoma spinicauda* (f) (Wells, 1961)**

Comb. nov. (Lang, 1965b) for *Ectinosoma* (*H.*) *spinicauda* Wells, 1961.

***Halectinosoma arenicola* (Rouch, 1962)**

Comb. nov. (Lang, 1965b) for *Ectinosoma* (*H.*) *arenicola* Rouch, 1962.

Redescription: Itô, 1973.

***Halectinosoma diops* (f) (Por, 1964)**

Comb. nov. (Lang, 1965b) for *Ectinosoma diops* Por, 1964a.

***Halectinosoma inopinatum* (f) (Por, 1964)**

Comb. nov. (Lang, 1965b) for *Ectinosoma inopinatum* Por, 1964a.

***Halectinosoma canaliculatum* (f) (Por, 1964)**

Comb. nov. (Lang, 1965b) for *Ectinosoma canaliculatum* Por, 1964a.

Synonym: *Ectinosoma sarsi* Boeck (1872) *sensu* T. & A. Scott (1894), after Clément & Moore, 1995.

Redescription (f): Clément & Moore, 1995.

***Halectinosoma japonicum* (f) (Miura, 1964)**

Comb. nov. (Lang, 1965b) for *Ectinosoma japonica* Miura, 1964. Freshwater species.

***Halectinosoma unicum* (f) Lang, 1965b**

Synonym (?): *Ectinosoma* (?) *smirnovi* Chislenko, 1967.

Amendments: Letova, 1982 (as *Halectinosoma smirnovi*).

***Halectinosoma similidistinctum* (f) Lang, 1965b**

Synonym: *H. paradistinctum* Soyer, 1973a.

***Halectinosoma ornatum* (f) Lang, 1965b**

Halectinosoma kunzi (f) Lang, 1965b

Halectinosoma longisetosum (f) Lang, 1965b

Halectinosoma herdelongata Marcus, 1967

Comb. nov. (Marcus, 1967) for *Ectinosoma intermedium* Marcus, 1965 (preoccupied name).

Halectinosoma inhacae Wells, 1967

Halectinosoma fusiforme Wells, 1967

Halectinosoma porosum (f) Wells, 1967

Halectinosoma langi Wells, 1967

Halectinosoma fusum (m) Wells, 1967

Halectinosoma abyssicola (f) Bodin, 1968b

Halectinosoma gascognense (f) Bodin, 1968b

Halectinosoma cooperatum Bodin, Bodiou & Soyer, 1970

Halectinosoma dimorphum Coull, 1970b

Halectinosoma uniarticulatum Borutzky, 1972

Species found in fresh water.

Halectinosoma travei (f) Soyer, 1973a

Halectinosoma valeriae (f) Soyer, 1973a

Halectinosoma monardi (f) Soyer, 1973a

Halectinosoma rouchi (f) Soyer, 1973a

Halectinosoma pterinum Moore, 1974

Amendments (m): Bodin, 1979a.

Halectinosoma winonae Coull, 1975

Halectinosoma paraspinicauda (f) Bodin, 1979a

Halectinosoma perforatum Itô, 1981

According to Itô, the species is close to *H. canaliculatum* (Por).

Halectinosoma otakoua Wells, Hicks & Coull, 1982

Halectinosoma hydrofuge Wells, Hicks & Coull, 1982

Synonym: *Halectinosoma* sp. Coull & Wells, 1981.

Species close to *H. cooperatum* Bodin, Bodiou & Soyer.

Halectinosoma pseudosarsi (f) Clément & Moore, 1995

Synonym: *Ectinosoma sarsi* Boeck, 1872 *sensu* Sars, 1904 (after Clément & Moore, 1995).

Halectinosoma chislenki (f) Clément & Moore, 1995

Synonym: *Ectinosoma neglectum* Sars, 1904, *sensu* Chislenko, 1967 (after Clément & Moore, 1995).

Amendments: Chislenko, 1967 (as *H. neglectum*).

Halectinosoma argyllensis Clément & Moore, 1995

Halectinosoma crenulatum Clément & Moore, 1995

Halectinosoma denticulatum Clément & Moore, 1995

Species incertae et incertae sedis

Halectinosoma sarsi (Boeck, 1872), after Clément & Moore, 1995.

Description of the male: Wells, 1965b (as *Ectinosoma* (*H.*) *sarsi*). But, after re-examination, Clément & Moore (1995) assigned the two specimens of Wells to the genus *Ectinosoma*.

Halectinosoma elongatum (Sars, 1904)

According to Por (1964a), this species could be synonymous with *H. herdmani*.

Amendments: Chislenko, 1967; Letova, 1982; Apostolov & Marinov, 1988.

Halectinosoma sp. (f) (Bodin, 1964)

The description (as *Ectinosoma* (*H.*) sp.) is based on a single female specimen in bad condition and must be abandoned.

Halectinosoma sp. 1 (m) Bodin, 1970 (probably a copepodid)

Halectinosoma sp. 2 (m) Bodin, 1970

Genus *Bradya* Boeck, 1872

Key to the species: Lang, 1965b (p. 61).

Subgenus *Bradya* Lang, 1944

Bradya (*B.*) *typica* Boeck, 1872

Amendments: Lang, 1965b (p. 66).

Bradya (*B.*) *congenera* Sars, 1920

Amendments: Por, 1964a.

Species novae

Bradya (*B.*) *cladiofera* Lang, 1965b

Bradya (*B.*) *minutiseta* (f) Soyer, 1973b

Bradya (*B.*) *theodori* (f) Soyer, 1973b

Subgenus *Parabradya* Lang, 1944

Species novae

Bradya (*P.*) *atlantica* (f) Bodin, 1968b

Bradya (P.) bodini Bozic, 1979

According to Bozic the species seems close to *B. (P.) atlantica* Bodin.

Bradya (P.) pugiochaeta (m) Arlt, 1983

Genus *Microsetella* Brady & Robertson, 1873

Microsetella norvegica (Boeck, 1865)

Amendments: Carvalho, 1952a; Veldre & Maesets, 1956; Shen & Bai, 1956; Gonzalez & Bowman, 1965; Chislenko, 1967; Itô, 1968; Boxshall, 1979.

Microsetella rosea (Dana, 1848)

Amendments: Carvalho, 1952a; Boxshall, 1979.

Genus *Sigmatidium* Giesbrecht, 1881

Species novae

Sigmatidium parvulum Mielke, 1974

Sigmatidium rouchi (f) Kunz, 1975a

Sigmatidium noodti (f) Kunz, 1975a

Sigmatidium triarticulatum Mielke, 1979

Sigmatidium kunzi Mielke, 1979

Genus *Pseudobradya* Sars, 1904

Key to the species: Lang, 1965b (p. 67).

Pseudobradya barroisi (Richard, 1893)

Comb. nov. (Por, 1968b) for *Ectinosoma barroisi* Richard, 1893, species named *Halectinosoma barroisi* in Lang (1965b: p. 36).

Pseudobradya minor (T. & A. Scott, 1894)

Description of the male: Klie, 1949.

Amendments: Kunz, 1949; Chislenko, 1967; Becker, 1970; Moore, 1976b; Apostolov & Marinov, 1988.

Pseudobradya similis (T. & A. Scott, 1894)

Description of the male: Bodin, 1970.

Pseudobradya hirsuta (T. & A. Scott, 1894)

Amendments: Wells, 1967; Moore, 1976b.

Pseudobradya beduina Monard, 1935

Description of the male: Bodin, 1970.

Amendments: Noodt, 1955d; Bodin, 1964; Guille & Soyer, 1966; Mielke, 1975; Apostolov, 1977; Apostolov & Marinov, 1988.

Pseudobradya major (Olofsson, 1917)

Comb. nov. (M.S. Wilson, 1973) for *Ectinosoma major* Olofsson, 1917 ('species incerta' in Lang, 1948).

Redescription: M.S. Wilson, 1973.

Species novae

Pseudobradya usitata (f) Noodt, 1964

Pseudobradya cornuta Lang, 1965b

Pseudobradya pectinifera Lang, 1965b

Pseudobradya crassipes Lang, 1965b

Pseudobradya pulchra Lang, 1965b

Pseudobradya oligochaeta Chislenko, 1967

Pseudobradya kusnezovi (f) Chislenko, 1967

Pseudobradya distinctum (f) Wells, 1968

Pseudobradya brevicaudata (f) Soyer, 1974a

Pseudobradya spinulosa (f) Soyer, 1974a

Pseudobradya peresi (f) Soyer, 1974a

Pseudobradya banyulensis (f) Soyer, 1974a

Pseudobradya truncatiseta (f) Soyer, 1974a

Pseudobradya soyeri Bodiou, 1975

Pseudobradya psammophila (f) Bodiou, 1975

Pseudobradya rhea (f) Bodin, 1979a

Pseudobradya beduina Monard *faialensis* (f) Kunz, 1983

Pseudobradya lanceta Coull, 1986

Species incertae

Pseudobradya pulchella Sars, 1920? *sensu* Wells, 1965b

The male was described based on a single individual; Wells presumed that it could represent a new species.

Pseudobradya beduina Monard, 1935? *sensu* Marinov & Apostolov, 1985

Pseudobradya pelobates (f) Jakobi, 1954b

Pseudobradya pelogonos (f) Jakobi, 1954b

Pseudobradya pelotrophos (f) Jakobi, 1954b

The three last species were poorly described, but Lang (1965b, p. 67) included them in his key, however, with serious reservations.

Pseudobradya aff. *hirsuta* (f) Por, 1964a

The single female specimen described by Por was not considered as conspecific (Lang, 1965b: p.67).

Genus *Tetanopsis* Brady, 1910

This genus, considered as '*incertum*' by Lang (1948), was accepted within the **Ectinosomatidae** by Lang (1965b: p. 12-13).

Species nova

Tetanopsis mediterranea (Chappuis, 1954)

Comb. nov. (Lang, 1965b) for *Arenosetella mediterranea* Chappuis, 1954a.

Species incertae

Tetanopsis smithi (f) Perkins, 1956b

Tetanopsis medius (f) Perkins, 1956b

Lang (1965b, p. 12) disregarded this description.

Genus *Halophytophilus* Brian, 1917

Halophytophilus fusiformis Brian, 1918

Amendments: Pallares, 1975b.

Species nova

Halophytophilus simplex (f) Wells & Rao, 1987

Genus *Bradyellopsis* Brian, 1924

Key to the species: Steuer, 1941; Watkins, 1987.

Bradyellopsis tumidus Brian, 1924

Amendments: Steuer, 1941.

Bradyellopsis subniger Brian, 1924

Amendments: Steuer, 1941; Noodt, 1955d.

Bradyellopsis arupinensis (f) Steuer, 1941

Bradyellopsis briani (f) Steuer, 1941

Bradyellopsis foliatus Watkins, 1987

Genus *Arenosetella* Wilson, 1932

Key to the species: Lang, 1965b (p. 86); Moore, 1976b; McLachlan & Moore, 1978; Bodin, 1979a.

Arenosetella tenuissima (Klie, 1929)

Comb. nov. (McLachlan & Moore, 1978) for *Hastigerella tenuissima* (Klie, 1929) *sensu* Lang, 1965b.

Synonyms: *Hastigerella palpilabra* Nicholls, 1935

Arenosetella monensis Moore, 1976b

Arenosetella incerta Chappuis *sensu* Bodin, 1972a and 1977b (according to McLachlan & Moore, 1978).

Amendments: Bodin, 1972a (as *A. incerta*); Mielke, 1975 (as *Hastigerella tenuissima*).

Arenosetella germanica Kunz, 1937

Amendments: Bozic, 1955; Rao & Ganapati, 1969b; Mielke, 1975, 1986.

Species novae

Arenosetella incerta Chappuis, 1954d

Arenosetella indica (f) Krishnaswamy, 1957b

Description of the male: Rao & Ganapati, 1969b.

Arenosetella madagascariensis Lang, 1965

Nom. nov. (Lang, 1965b) for *A. germanica* Kunz, 1937 *sensu* Chappuis, 1954b.

Arenosetella rouchi (f) Lang, 1965

Nom. nov. (Lang, 1965b) for *A. germanica* Kunz, 1937 *sensu* Rouch, 1962.

Arenosetella kaiseri Lang, 1965b

Arenosetella balakrishnani Bozic, 1967

Arenosetella limnophila (f) Sterba, 1968

Freshwater species.

Arenosetella duriensis Galhano, 1970

Arenosetella bidenta (f) Itô, 1972a

Arenosetella fimbriaticauda McLachlan & Moore, 1978

Synonym: *Hastigerella* sp. *sensu* McLachlan & Furstenberg, 1977 (in McLachlan & Moore, 1978).

Arenosetella littoralis (f) Bodin, 1979a

Arenosetella germanica galapagoensis Mielke, 1979

Arenosetella panamensis Mielke, 1981b

Arenosetella macronychospina Mielke, 1981b

Arenosetella longiseta Kunz, 1983

Arenosetella vinadelmarensis Mielke, 1986

Amendments: Mielke, 1987b.

Arenosetella tricornis Wells & Rao, 1987

Species incertae

Arenosetella sp. Noodt, 1952b

Arenosetella sp. aff. *incerta* (f) Chappuis *sensu* Noodt, 1958b

According to Lang (1965b) this species belongs definitely to the genus *Arenosetella*.

Arenosetella sp. Mielke, 1981b

Genus *Hastigerella* Nicholls, 1935

Key to the species: Lang, 1965b (p. 91); McLachlan & Moore, 1978.

Hastigerella leptoderma (Klie, 1929)

Comb. nov. (Lang, 1965b) for *Pararenosetella leptoderma* Klie, 1929. Proposed as type-species of the genus by McLachlan & Moore, 1978.

Synonym: *Hastigerella grandimandibularis* Wells (1967), after Wells & Rao, 1987.

Description of the male: Wells, 1968.

Amendments: Kunz, 1949 (as *Pararenosetella leptoderma*); Soyer, 1974b; Mielke, 1975; Wells & Rao, 1987.

Redescription: Mielke, 1981b.

Species novae

Hastigerella meridionalis (Chappuis, 1954)

Comb. nov. (Lang, 1965b) for *Pararenosetella meridionalis* Chappuis, 1954a.

Hastigerella psammae (Noodt, 1955)

Comb. nov. (Lang, 1965b) for *Pararenosetella psammae* Noodt, 1955c.

Hastigerella unisetosa (f) (Wells, 1965)

Comb. nov. (Bodin, 1967) for *Arenosetella unisetosa* Wells, 1965b.

Hastigerella abbotti Lang, 1965b

Hastigerella abbotti santacruzensis Mielke, 1979

Hastigerella monniotae (f) (Guille & Soyer, 1966)

Comb. nov. (Bodin, 1967) for *Pararenosetella monniotae* Guille & Soyer, 1966.

Hastigerella setosa (Rao & Ganapati, 1969)

Comb. nov. (Bodin, 1979b) for *Arenosetella setosus* Rao & Ganapati, 1969a.

Hastigerella noodti (Rao & Ganapati, 1969)

Comb. nov. (Bodin, 1979b) for *Arenosetella noodti* Rao & Ganapati, 1969a.

Hastigerella clavata (Rao & Ganapati, 1969)

Comb. nov. (Bodin, 1979b) for *Pararenosetella clavata* Rao & Ganapati, 1969a.

Hastigerella bengalensis (f) Rao, 1972

Hastigerella bodini Apostolov, 1974

Amendments: Apostolov & Marinov, 1988.

Hastigerella chappuisi (f) Soyer, 1974b

Hastigerella bozici Soyer, 1974b

Amendments: Kunz, 1975b

Hastigerella scheibeli Mielke, 1975

Hastigerella soyeri (f) Bodin, 1979

Nom. nov. (Bodin, 1979b) for *Hastigerella noodti* Soyer, 1974b (name preoccupied).

Hastigerella mehuinensis Mielke, 1986

Species incerta

Hastigerella sp. (f) Mielke, 1986

Genus *Pseudectinosoma* Kunz, 1935

Considered as synonymous with *Sigmatidium* by Lang (1948, p. 192 and 233), this genus was reinstated by Kunz (1975a).

Pseudectinosoma minor Kunz, 1935

Comb. nov. (Kunz, 1975a) for *Sigmatidium minor* (Kunz, 1935) *sensu* Lang (1948).

Pseudectinosoma vandeli (Rouch, 1969)

Comb. nov. (Kunz, 1975a) for *Sigmatidium vandeli* Rouch, 1969. Freshwater species.

Genus *Ectinosomoides* Nicholls, 1945b

This genus was accepted as valid by Lang (1965b: p.10, 13).

Ectinosomoides longipes Nicholls, 1945b

Species incerta

Ectinosomoides pectinatus (Chappuis, 1954)

Comb. nov. (?) (Noodt, 1958b and Lang, 1965b) for *Arenosetella pectinata* Chappuis, 1954d.

Genus *Noodtiella* Wells, 1965a

Erroneously spelt *Nodtiella* by Lang (1965b, p. 547).

Synonym: *Noodtia* Lang, 1965b (p. 547).

Noodtiella arenosetelloides (Noodt, 1958)

Comb. nov. (Wells, 1965a) for *Sigmatidium?* *arenosetelloides* Noodt, 1958b.

Description of the male: Wells, 1965a.

Redescription: Rao & Ganapati, 1969b (with misspelt generic name: *Stigmatidium*).

Noodtiella problematica (Rouch, 1962)

Comb. nov. (Kunz, 1975a) for *Sigmatidium problematicum* Rouch, 1962.

Noodtiella lusitanica Wells, 1965a

Noodtiella wellsi Apostolov, 1974

Amendments: Apostolov & Marinov, 1988.

Noodtiella gracile (f) Mielke, 1975

Noodtiella frequentior Mielke, 1979

Amendments: Mielke, 1981b.

Noodtiella hoodensis Mielke, 1979

Amendments: Mielke, 1981b, 1987a.

Noodtiella tabogensis Mielke, 1981b

Noodtiella pacifica Mielke, 1987b

Noodtiella larinconadensis (f) Mielke, 1987b

Noodtiella coquimbensis (f) Mielke, 1987b

Noodtiella mielkei Wells & Rao, 1987

Noodtiella ornamentalis (f) Wells & Rao, 1987

Genus *Lineosoma* Wells, 1965a

This genus defined by Wells after redescription of *Pararenosetella* sp. Wells (1963a), was accepted by Lang (1965b).

Lineosoma iscensis (f) Wells, 1965a

Synonym: *Pararenosetella* sp. Wells, 1963 (in Wells, 1965a).

Lineosoma intermedia (Wells, 1967)

Comb. nov. (Kunz, 1975a) for *Noodtiella intermedia* Wells, 1967.

Lineosoma enertha (Lindgren, 1975)

Comb. nov. (Mielke, 1987a) for *Noodtiella enertha* Lindgren, 1975.

Lineosoma chilensis Mielke, 1987a

Genus *Oikopus* Wells, 1967

Oikopus rostrilabrus Wells, 1967

Genus *Peltobradia* Médioni & Soyer, 1967b

Peltobradia bryozoophila Médioni & Soyer, 1967b.

Genus *Klieosoma* Hicks & Schrieffer, 1985

Synonym: *Kliella* Hicks & Schrieffer, 1983 (preoccupied name).

Klieosoma triarticulatum (f) (Klie, 1949)

Comb. nov. (Hicks & Schrieffer, 1985) for *Halophytophilus?* *triarticulatus* Klie, 1949.

Synonym: *Kliella triarticulatum* (Klie, 1949).

Klieosoma spinosum (f) Hicks & Schrieffer, 1985

Synonym: *Kliella spinosa* Hicks & Schrieffer (1983).

Klieosoma aberrans (f) (Wells & Rao, 1987)

Comb. nov. for *Halophytophilus aberrans* Wells & Rao, 1987.

Nomen nudum

Prenoodtiella acutifrons Soyer, 1971 (p. 380 and 509)

Fam. **NEOBRADYIDAE** Olofsson, 1917

Genus *Neobradya* T. Scott, 1892

Neobradya pectinifera T. Scott, 1892

Redescription: Huys, 1987b.

Genus *Antarcticobradya* Huys, 1987b

Antarcticobradya tenuis (Brady, 1910)

Comb. nov. (Huys, 1987b) for *Parastenhelia* (?) *tenuis* Brady, 1910.

Redescription (f): Huys, 1987b; Schminke & Dahms, 1989.

Description of the male: Schminke & Dahms, 1989.

Genus **Marsteinia* Drzycimski, 1968c

This genus was reinstated by Huys *et al.* (1996) and includes the two species described by Drzycimski (1968) which were previously attributed to the genus *Tachidiopsis* by Bodin (1971).

Key to the species: Huys *et al.*, 1996.

Marsteinia typica Drzycimski, 1968c

Marsteinia similis (f) Drzycimski, 1968c

Fam. **DARCYTHOMPSONIIDAE** Lang, 1936

Following the discovery of several species constituting transitions between *Leptocaris* T. Scott and *Horsiella* Gurney, Kunz (1961) considered the two genera as synonymous and, thus, retained only the genus *Leptocaris* T. Scott (1899) which has priority. Lang (1965b, p. 95) arrived at the same conclusion.

Genus *Leptocaris* T. Scott, 1899

Synonym: *Thaumastognatha* Jakobi, 1954b.

Key to the species: Lang, 1965b; Fleeger & Clark, 1980.

Chaetotactic table of the species: Kunz, 1978.

Leptocaris minutus T. Scott, 1899

Synonym: *Horsiella* sp. Chappuis, 1960 (after Kunz, 1961).

Leptocaris brevicornis (van Douwe, 1904)

Comb. nov. (Kunz, 1961) for *Horsiella brevicornis* (van Douwe, 1904) *sensu* Lang, 1948.

Synonym: *L. gurneyi namibius* Kunz & Kunz, 1973.

Amendments: Veldre & Maesmets, 1956 (as *Horsiella brevicornis*); Kunz, 1978; Apostolov & Marinov, 1988.

Leptocaris trisetosus trisetosus (Kunz, 1935)

Comb. nov. (Kunz, 1961) for *Horsiella trisetosa* Kunz, 1935.

Amendments: Bodin, 1973; Kunz, 1978; Kunz, 1994b.

*Species novae**Leptocaris gurneyi* (f) (Nicholls, 1944)

Comb. nov. (Kunz, 1961) for *Horsiella gurneyi* Nicholls, 1944.

Leptocaris sibiricus Borutzky, 1952*Leptocaris ignavus* (Noodt, 1953)

Comb. nov. (Kunz, 1961) for *Horsiella ignava* Noodt, 1953. Species considered as 'almost certainly a synonym of *L. minutus*' by Huys *et al.* (1996).

Leptocaris minimus (f) (Jakobi, 1954)

Comb. nov. (Lang, 1965b) for *Thaumastognatha minima* Jakobi, 1954b.

Description of the male: Kunz, 1978.

Amendments: Kunz, 1994b.

Leptocaris biscayensis (Noodt, 1955)

Comb. nov. (Kunz, 1961) for *Horsiella biscayensis* Noodt, 1955c.

Synonyms: *Leptocaris adriatica* Petkovski, 1955c (after Noodt, 1958b, confirmed by Lang, 1965b and Kunz, 1994b).

Leptocaris azoricus Kunz, 1983 (after Kunz, 1994b).

Amendments: Rao & Ganapati, 1969b (as *Horsiella biscayensis*); Kunz, 1978; Cottarelli & Baldari, 1982; Kunz, 1994b.

Leptocaris vermiculata (Oliveira, 1957)

Comb. nov. (Lang, 1965b) for *Horsiella vermiculata* Oliveira, 1957.

Leptocaris insularis (Noodt, 1958)

Comb. nov. (Lang, 1965b) for *Horsiella insularis* Noodt, 1958b.

Synonym (?): *Leptocaris elishevae* (Por, 1968a).

Leptocaris marinus (f) (Por, 1964)

Comb. nov. (Lang, 1965b) for *Horsiella marina* Por, 1964a.

Leptocaris canariensis (m) Lang, 1965

Comb. nov. (Lang, 1965b) for *Horsiella minima* Noodt, 1958b (to avoid homonymy with *Leptocaris minimus* Jakobi).

Leptocaris armatus (f) Lang, 1965b*Leptocaris pori* Lang, 1965b*Leptocaris doughertyi* Lang, 1965b*Leptocaris kunzi* Fleeger & Clark, 1980

According to Fleeger & Clark, the species is close to *L. elishevae* Por and *L. canariensis* Lang.

Redescription: Kunz, 1994b.

Leptocaris igneus (f) Cottarelli & Baldari, 1982*Leptocaris mangalis* Por, 1983a*Leptocaris glaber* (f) Fiers, 1986e*Leptocaris echinatus* (f) Fiers, 1986e*Leptocaris echinatus nudus* Kunz, 1994b*Leptocaris mucronatus* Fiers, 1986f*Leptocaris stromatolicolus* Zamudia-Valdez & Reid, 1990*Leptocaris trisetosus breviseta* Kunz, 1994b

The subspecific name was erroneously captioned as *brevifurca* in Kunz, 1994b (p. 36).

Leptocaris noodti (f) Kunz, 1994b*Leptocaris itoi* (f) Kunz, 1994b*Species incerta**Leptocaris elishevae* (Por, 1968)

Comb. nov. (Bodin, 1967) for *Horsiella elishevae* Por, 1968a. This species is probably synonymous with *L. insularis* Noodt.

Genus *Darcythompsonia* T. Scott, 1906

Darcythompsonia fairliensis (T. Scott, 1899)

Amendments: Kunz, 1960; Ceccherelli & Rossin, 1979.

Redescription: Mielke, 1982b who discussed the possibility that his Galapagos specimens could represent a distinct subspecies.

Darcythompsonia scotti Gurney, 1920

Considered as a synonym of *D. fairliensis* by Huys *et al.* (1996).

Darcythompsonia inopinata Smirnov, 1934

Synonym: *Darcythompsonia radans* Por, 1983a (after Fiers, 1986e).

Darcythompsonia neglecta Redeke, 1953

'*Nomen nudum*' in Lang, 1948 (p. 274) who found the name in a manuscript.

Species incertae

Darcythompsonia sp. (m) Griga, 1961

Genus **Kristensenia* Por, 1983a

Kristensenia pallida (m) Por, 1983a

Nomen nudum

Genus **Falcocaris* Fiers

This name, mentioned by Kunz (1994b), was proposed to him by F. Fiers (*in Litt.*) to include *Leptocaris mangalis* Por (1983a); but the diagnosis of the genus has not been published yet.

Fam. **TACHIDIIDAE** Sars, 1909; Lang, 1944, 1948

Following a review of the Thompsonulinae Lang (1944), Huys & Gee (1990)¹ created the **Thompsonulidae**, encompassing only the two genera *Thompsonula* and *Caribbula*; the genera *Danielssenia*, *Psammis*, *Paradanielssenia*, *Micropsammis* and *Leptotachidia* were allocated to the **Paranannopidae** Por (1986a).

In Huys *et al.* (1996)¹, the **Tachidiidae** *sensu* Lang (1944, 1948) are split up (without argumentation) in **Euterpinidae** Brian, 1921 (with the genus *Euterpina*) and **Tachidiidae** Boeck, 1865 (unifying the genera *Tachidius*, *Microarthridion*, *Cithadius* and the new monotypic genus *Geeopsis* containing *Tachidius incisipes* Klie, 1913).

Key to the genera: Gee, 1988b (for **Tachidiidae** *sensu* Lang, 1944, 1948); Huys *et al.* (1996).

Genus ***Tachidius*** Lilljeborg, 1853

Remarks: Bowman's (1972) proposed to abandon the name Microarthridioninae to refer to the subfamily of which the type-genus was *Tachidius* and proposed the name Tachidiinae. His opinion has not been followed.

Subgenus ***Tachidius*** Shen & Tai, 1963

Tachidius (T.) discipes Giesbrecht, 1881

Redescription of the male: Chislenko, 1967.

Amendments: Veldre & Maesmets, 1956; Petkovski, 1964b; Vilela, 1965; Dussart, 1967; Heip, 1969; Mielke, 1975; Song & Chang, 1995.

Species nova

Tachidius (T.) vicinospinalis Shen & Tai, 1964

Subgenus ***Neotachidius*** Shen & Tai, 1963

Species nova

Tachidius (N.) triangularis Shen & Tai, 1963

Amendments: Song & Chang, 1995.

Genus ***Microarthridion*** Lang, 1944

Key to the species: Bodin, 1970.

Microarthridion littorale (Poppe, 1881)

Amendments: Veldre & Maesmets, 1956 (as *Tachidius littoralis*); Por, 1960a; Lorenzen, 1969; Letova, 1982; Apostolov & Marinov, 1988.

Microarthridion berberum (Monard, 1936)

Description of the male: Petkovski, 1964b.

Species novae

Microarthridion laurenticum (Nicholls, 1940)

Comb. nov. for *Tachidius laurenticus* Nicholls, 1940.

¹ The references Huys (1992), in Huys & Gee (1990), and Huys (1996), in Huys *et al.* (1996), were never published.

Microarthridion fallax Perkins, 1956a

Amendments: Monchenko, 1967c; Lorenzen, 1969; Bodin, 1970.

Microarthridion perkinsi Bodin, 1970

Considered synonymous with *M. reductum* Monard, 1935.

Microarthridion litospinatus Shen & Tai, 1973

Genus *Cithadius* Bowman, 1972

Cithadius cyathurae Bowman, 1972

Species living in association with isopods.

Genus **Geeopsis* Huys, 1996 (in Huys *et al.*, 1996)

Geeopsis incisipes (Klie, 1913)

Comb. nov. (Huys *et al.*, 1996) for *Tachidius incisipes* Klie, 1913.

Amendments: Huys *et al.*, 1996.

Fam. **EUTERPINIDAE** Brian, 1921(grad. nov. Huys *et al.*, 1996)Genus ***Euterpina*** Norman, 1903***Euterpina acutifrons*** (Dana, 1848)Synonyms: *Tachidius hydrobiologicus* Oliveira, 1945a and *Laophonte sagenarum* Oliveira, 1945b (after Lang, 1965b, p. 7).

Redescription of the male: Klie, 1949.

Amendments: Carvalho, 1945, 1952a; Petkovski, 1964b; Gonzalez & Bowman, 1965; Dussart, 1967; Dawson & Knatz, 1980.

Fam. **THOMPSONULIDAE** Lang, 1944 *sensu* Huys & Gee, 1990

(grad. nov. Huys & Gee, 1990)

Genus ***Thompsonula*** T. Scott, 1905***Thompsonula hyaenae*** (I.C. Thompson, 1889)

Amendments: Bodin, 1970.

Redescription: Huys & Gee, 1990.

Thompsonula curticauda (C.B. Wilson, 1932)

Redescription: Huys & Gee, 1990.

Genus ****Caribbula*** Huys & Gee, 1990***Caribbula elongata*** (Gee, 1988b)Synonym: *Thompsonula hyaenae elongata* Gee (1988b), after Huys & Gee, 1990.

Redescription: Huys & Gee, 1990.

Caribbula fleegeri Huys & Gee, 1990

Fam. **HARPACTICIDAE** Sars, 1904

Key to the genera: Lang, 1965b (p. 107).

Key to Korean's genera and species: Song & Chang, 1993.

Subfam. **Harpacticellinae** Lang, 1944

Genus *Harpacticus* Milne-Edwards, 1840

Harpacticus chelifer (O.F. Müller, 1776)

Amendments: Chislenko, 1967; Pallares, 1973a.

Harpacticus uniremis Kröyer, 1842

Amendments: Veldre & Maesmits, 1956; Shen & Tai, 1956; Lang, 1965b (p. 108); Chislenko, 1967; Itô, 1971b; Apostolov & Marinov, 1988.

Harpacticus gracilis Claus, 1863

Amendments: Carvalho, 1945; Pesta, 1959; Michailova-Neikova & Voinova-Stavreva, 1971; Apostolov & Marinov, 1988.

Harpacticus nicaeensis Claus, 1866

Amendments: Candeias, 1959; Marcus & Por, 1960: in agreement with Brian (1928) and Lang (1948), these two authors considered *H. aegilobates* Monard (1926) as a synonym of this species and stated that Czerniavsky's (1868) variety *pontica* has no systematic value; Apostolov & Marinov, 1988.

Harpacticus flexus Brady & Robertson, 1873

Amendments: Vilela, 1965; Bodin, 1970; Mielke, 1975; Apostolov & Marinov, 1988.

Harpacticus obscurus T. Scott, 1895

Amendments: Vos, 1945; Klie, 1949; Candeias, 1959; Marcus, 1960; Petkovski, 1964b; Apostolov & Marinov, 1988.

Redescription: Pallares, 1973a.

Harpacticus pulvinatus Brady, 1910

Amendments: Petkovski, 1964b; Pallares, 1968a and 1973a.

Harpacticus littoralis Sars, 1910

Amendments: Klie, 1949; Dussart, 1967; Apostolov & Marinov, 1988.

Harpacticus compsonyx Monard, 1926

Amendments: Marcus & Por, 1960: according to these authors, Brian's (1928) variety *nolisius* has no 'raison d'être', because of the variability of the species; Wells, 1967; Song & Chang, 1993.

Redescription: Marcus & Por, 1960; Vervoort, 1962.

Harpacticus gurneyi Jakubisiak, 1933

Redescription: Yeatman, 1962.

Harpacticus furcatus Lang, 1936

Amendments: Pallares, 1975b.

Redescription and description of copepodids stages: Itô & Fukuchi, 1978.

Species novae

Harpacticus islandicus Klie, 1939, 1941a

Harpacticus dubitabilis Herbst, 1960

Harpacticus pulex Humes, 1964

Specimens discovered on the skin of a porpoise and a manatee in Florida.

Harpacticus pacificus Lang, 1965b

Harpacticus spinulosus Lang, 1965b

Harpacticus ponticus (f) Marcus, 1967

Harpacticus compressus Frost, 1967

Harpacticus uniremis japonicus Chislenko, 1971

Harpacticus furcatus patagonicus Pallares, 1973a

Harpacticus depressus Pallares, 1973a

Harpacticus parachelifer (f) Chislenko, 1976

Harpacticus nipponicus Itô, 1976b

Redescription: Song & Chang, 1993.

Harpacticus alevtinae Chislenko, 1977

Harpacticus purpureus Itô, 1979b

Species close to *H. flexus*, *H. superflexus* and *H. spinulosus*, after Itô, 1979b.

Harpacticus dezhevi (f) Chislenko, 1980

Harpacticus longiantennata Apostolov & Petkovski, 1980

Harpacticus flexulosus Ceccherelli, 1988

Synonym: *Harpacticus* aff. *flexus* Brady & Robertson *sensu* Ceccherelli & Rossin, 1979 (after Ceccherelli, 1988).

Species incertae

Harpacticus arcticus (Poppe, 1884)

H. chelifer var *arcticus* Poppe was considered by Lang (1948) as a synonym of *H. uniremis* Kröyer, but was raised to species rank by Klie (1941a). However, Lang (1965b: p. 108) discussed Klie's opinion at length and concluded that 'var. *arcticus*' has to be considered as a synonym of *H. uniremis*.

Harpacticus aegilobates Monard, 1926

Considered as a synonym of *H. nicaeensis* Claus by several authors, this species was maintained by Raibaut (1962). Vervoort (1964) did not discuss this taxonomic change.

Harpacticus septentrionalis Klie, 1941a

According to Lang (1965b), this species is a synonym of *H. uniremis*. However, Itô (1976b) disregarded this opinion and described a new subspecies: *H. septentrionalis yamadai*.

Harpacticus confusus Vervoort, 1964

The validity of this species was questioned by Lang (1965b).

Genus *Tigriopus* Norman, 1868

Key to the species: Bradford, 1967; Itô, 1969.

Tigriopus brevicornis (O.F. Müller, 1776)

Amendments: Chislenko, 1967; Carli & Fiori, 1977.

Tigriopus fulvus (Fischer, 1860)

Bozic (1960) reasserted the validity of this species after an indepth study of the genus *Tigriopus*.

Amendments: Carli & Fiori, 1977.

Tigriopus californicus (Baker, 1912)

Amendments: Monk, 1941; Pallares, 1968a; Ito, 1988.

Tigriopus angulatus Lang, 1933

Considered by Lang (1948) as a synonym of *T. californicus* (Baker), this species was redescribed by Bradford (1967) and Grindley (1971).

Species novae

Tigriopus japonicus Mori, 1938

Considered as a synonym of *T. californicus* (Baker) by Bozic (1960), this species was redescribed by Itô (1969).

Amendments: Itô, 1988.

Complete development study: Koga, 1970.

Tigriopus brachydactylus Candeias, 1959

Tigriopus minutus Bozic, 1960

Tigriopus raki Bradford, 1967

Tigriopus igai Itô, 1977

Amendments: Itô, 1988.

Tigriopus kerguelenensis Soyer, Thiriot-Quievreux & Colomines, 1987

Tigriopus crozettensis Soyer, Thiriot-Quievreux & Colomines, 1987

Species incerta

Tigriopus lilljeborgi northumbriensis Mistakidis, 1949

Bozic (1960) was of the opinion that this 'variety' was a synonym of *T. fulvus* (Fischer). It must be emphasized that *T. lilljeborgi* Norman was considered by Lang (1948) as a synonym of *T. brevicornis*.

Genus *Harpacticella* Sars, 1908

Species novae

Harpacticella oceanica Itô, 1977

Redescription: Song & Chang, 1993.

Harpacticella itoi Chang & Kim, 1991

Genus *Perissocope* Brady, 1910

Key to the species: Watkins, 1987.

Perissocope xenus (Monard, 1926)

Amendments: Candeias, 1959.

Species novae

Perissocope bayeri Vervoort, 1964

Perissocope adialtaltus Wells, 1968

Perissocope exiguus Pallares, 1975d

Perissocope biarticulatus Watkins, 1987

Species incerta

Perissocope sp. Huys *et al.*, 1996

Genus *Paratigriopus* Itô, 1969

Paratigriopus hoshidei Itô, 1969

Description of copepodid stages: Itô, 1976a.

Genus **Harpactichechus* Ortiz, Lalana & Torres Fundora, 1992

Harpactichechus manatorum Ortiz, Lalana & Torres Fundora, 1992

Species living in 'association' with the manatee *Trichechus manatus*.

Subfam. *Zausodiinae* Lang, 1944

Genus *Zaus* Goodsir, 1845

Reappraisal and Key to the species: Nicholls, 1942b.

Zaus spinatus spinatus Goodsir, 1845

Redescription: Itô, 1974.

***Zaus goodsiri* Brady, 1880**

Amendments: Pallares, 1979.

***Zaus aurelii* Poppe, 1884**

Synonymy: Similar to Lang (1965b), Itô (1980a) concluded that *Z. aurelii* Poppe *sensu* T. & A. Scott (1901) does not belong to this species. Moreover, Itô stated that *Z. aurelii sensu* Willey (1923) is likely to be a synonym of *Z. intermedius* Nicholls (1940), as well as *Z. caeruleus* Campbell (1929). Finally, *Z. serratus* Monk (1941) resembles *Z. aurelii* but is different in some characters. According to Itô (1980a) there was neither a report nor a proposed synonymy of *Z. aurelii* since the original description by Poppe in 1884.

Redescription: Itô, 1980a.

***Zaus abbreviatus* Sars, 1904**

Amendments: Chislenko, 1967 and 1977.

*Species novae****Zaus intermedius* Nicholls, 1940**

Considered as a possible synonym of *Z. caeruleus* (Campbell, 1929) by Lang (1965b), this species was completely redescribed by Itô (1974) who compared it with *Z. aurelii* Poppe.

Zaus serratus* Monk, 1941**Zaus sarsi* Nicholls, 1942b**

Nom. nov. (Nicholls, 1942b) for *Zaus aurelii* Poppe *sensu* Sars, 1909.

***Zaus spinatus hopkinsi* Lang, 1965b**

Synonym: *Z. spinatus* Goodsir *sensu* Monk (1941), after Lang (1965b).

***Zaus robustus* Itô, 1974**

Description of copepodids stages: Itô, 1976a.

Partial redescription: Itô, 1980a; Song & Chang, 1993.

***Zaus unisetosus* Itô, 1974**

Partial redescription: Song & Chang, 1993.

***Zaus hiranoi* Itô, 1980a**

Species close to *Z. intermedius*, after its author.

Zaus ainuensis* Chislenko, 1980Species incertae****Zaus latiremis* Monk, 1941**

Lang (1965b) expressed severe doubts about the specificity of this species.

***Zaus schaeferi* Klie, 1949**

Lang (1965b) expressed severe doubts about the specificity of this species.

***Zaus biunguiferus* n. sp.? Lang, 1965b**

According to Lang (1965b) this species seems close to *Zaus aurelii*.

Genus *Zausodes* C.B. Wilson, 1932*Species novae**Zausodes cinctus* Krishnaswamy, 1954*Zausodes sextus* Lang, 1965b*Zausodes septimus* Lang, 1965b

Redescription: Mielke, 1990a.

Zausodes areolatus Geddes, 1968bConsidered as close to *Z. sextus* Lang, after Geddes, 1968b.*Zausodes biarticulatus* Itô, 1979a*Species incertae**Zausodes stammeri* Jakobi, 1954b*Zausodes limigenus* (f) Jakobi, 1954b*Zausodes paranaguaensis* Jakobi, 1954b

These three species were considered questionable by Lang (1965b), mainly because of the inconsistencies between text and illustrations. Nevertheless they were included in the key given by Lang.

Genus *Zausopsis* Lang, 1934

Kunz (1963a) considered the genus *Zoausopsis* as a synonym of *Zaus.*, but Lang (1965b) rejected this opinion.

Zausopsis mirabilis Lang, 1934

Amendments: Pallares, 1968a.

*Species novae**Zausopsis contractus* (Thomson, 1882)Comb. nov. (Lang, 1965b) for *Zaus contractus* Thomson, 1882 ('*incerta sedis*' in Lang, 1948).*Zausopsis luederitzi* (f) (Kunz, 1963a)

Kunz (1963a) allocated the species *Zausopsis mirabilis* Lang from the genus *Zausopsis* to the genus *Zaus* and defined the 'form' *luederitzi*. Lang (1965b: p. 124) considered the form *luederitzi* as a distinct species in the genus *Zausopsis*.

Genus *Discoharpacticus* Noodt, 1954b*Discoharpacticus hoshidei* Itô, 1969

Description of copepodids stages: Itô, 1976a.

Fam. **TISBIDAE** Stebbing, 1910; Lang, 1944, 1948

Synonym: Marsteiniidae Drzycimski, 1969. The genus *Marsteinia* has been transferred to the family *Neobradyidae* by Huys *et al.*, 1996.

The family includes also the genera *Cholidyella* and *Brescianiana* Avdeev (1982), *Yunona* and *Tripartisoma* Avdeev (1983), and *Octopinella* Avdeev (1986), all found in the mantle cavity of cephalopods.

Key to the genera: Lang, 1965b (p. 145)

Subfam. **Tisbinae** Lang, 1944Genus ***Tisbe*** Lilljeborg, 1853

Key to the species and species groups: Volkmann, 1979a (for those found in Bermuda) and 1979c.

Tisbe furcata (Baird, 1837)

Amendments: Monk, 1941; Vos, 1945 (as *Tisbe (Idya) furcata*); Carvalho, 1952a; Pesta, 1959; Bodin, 1964; Chislenko, 1967; Mielke, 1974; Apostolov & Marinov, 1988.

Redescription: Bergmans, 1979; Dahms, Schminke & Pottek, 1991.

Based on an indepth study of the systematics of *Tisbe*, Volkmann-Rocco (1971) concluded that some authors confused *T. furcata* (Baird), *T. holothuriae* Humes and *T. helgolandica* Ühlig & Noodt (the latter considered now as a junior synonym of *T. holothuriae*).

Tisbe ensifer Fischer, 1860

Amendments: Candeias, 1959 (as *T. ensifera*); Chislenko, 1967.

Tisbe gracilis (T. Scott, 1895)

Amendments: Noodt, 1954b; Pesta, 1959; Yeatman, 1963; Dahms & Bergmans, 1988 (development).

Redescription: Volkman-Rocco, 1973a (based on specimens from Concarneau, France).

Tisbe longicornis (T. & A. Scott, 1896)

Amendments: Dussart, 1967 (f)

Tisbe minor (T. & A. Scott, 1896)

Description of the male: Roe, 1958.

Amendments: Chislenko, 1967.

Tisbe tenera (Sars, 1905)

Amendments: Pesta, 1959; Chislenko, 1967.

Tisbe tenella (Sars, 1911)

Description of the male: Klie, 1949.

Tisbe varians T. Scott, 1914

Description of the male: Pallares, 1968a.

Tisbe longisetosa Gurney, 1927

Description of nauplius and copepodid stages: Chua Thia-Eng, 1975.

Tisbe bermudensis Willey, 1930

Redescriptions: Volkmann, 1979a, who considered this species close to *T. longipes*.

***Tisbe gurneyi* (Lang, 1934)**

Amendments: Kunz, 1963a; Wiborg, 1964.

Redescription: Pallares, 1970.

*Species novae****Tisbe johnsoni* Monk, 1941**

Described as a variety of *T. furcata*, *T. johnsoni* was raised to species rank by Volkmann-Rocco (1971).

Tisbe robusta* Monk, 1941**Tisbe reticulata* Bocquet, 1951**

Amendments: Volkmann-Rocco, 1973b.

Tisbe celata* Humes, 1954**Tisbe holothuriae* Humes, 1957b**

Synonyms: *T. helgolandica* Ühlig & Noodt, 1966 (after Volkmann-Rocco, 1971).

T. eurypleura Pinkster, 1968 (after Volkmann-Rocco, 1972b).

T. parviseta Pinkster, 1968 (after Volkmann-Rocco, 1972b).

T. lancii Marcotte, 1974 (after Volkmann, 1979c).

Amendments: Petkovski, 1964b.

***Tisbe cucumariae* Humes, 1957b**

Synonym: *T. gracilis* (T. Scott) *sensu* Battaglia (1957, 1958), Battaglia & Malesani (1959, 1962), Pesta (1959), Coull (1970b), Coull & Herman (1970), and Marcotte & Coull (1974) (after Volkmann, 1979c).

Amendments: Vilela, 1968 (based on a free living specimen).

Tisbe histriana* Marcus & Por, 1961**Tisbe monozota* Bowman, 1962*****Tisbe acanthifera* Vervoort, 1962*****Tisbe wirketissae* (f) Chislenko, 1967*****Tisbe clodiensis* Battaglia & Fava, 1968*****Tisbe reluctans* Volkmann-Rocco, 1968*****Tisbe persimilis* Volkmann-Rocco & Fava, 1969**

Sibling species of *T. reluctans*.

***Tisbe pontina* Volkmann-Rocco, 1969**

Species very close to *T. holothuriae* (after Volkmann-Rocco, 1971).

***Tisbe aragoi* Battaglia & Volkmann-Rocco, 1970**

Species very close to *T. reticulata* Bocquet.

Amendments: Volkmann-Rocco, 1973a.

***Tisbe furcata tuberculata* (f) Chislenko, 1971**

Tisbe pori Betouhim-El & Kahan, 1972

Species close to *T. cucumariae* Humes.

Tisbe dobzhanskii Volkmann-Rocco & Battaglia, 1972

Sibling species of *T. clodiensis* Battaglia & Fava, 1968.

Tisbe carolinensis Volkmann-Rocco, 1972a

Tisbe bocqueti Volkmann-Rocco, 1972a

Tisbe lagunaris Volkmann-Rocco, 1972a

Tisbe bulbisetosa Volkmann-Rocco, 1972a

Synonym: *Tisbe* sp. Vilela, 1969 (after Bergmans, 1979).

Tisbe battagliai Volkmann-Rocco, 1972b

Sibling species of *T. holothuriae* Humes.

Tisbe biminiensis Volkmann-Rocco, 1973a

Species of the *gracilis*-group.

Synonym: *T. gracilis* (T. Scott) *sensu* Yeatman (1962, 1963), after Volkmann (1979c).

Tisbe marmorata Volkmann-Rocco, 1973b

Sibling species of *T. reticulata* and *T. aragoi*.

Tisbe pentataenia Volkmann-Rocco, 1973b

Sibling species of *T. reticulata* and *T. aragoi*.

Tisbe varipes Marcus, 1974a

Tisbe remanei Volkmann, 1975

Sibling species in the *holothuriae* group.

Tisbe prolata (f) Waghorn, 1979

Redescription: Bradford & Wells, 1983.

Tisbe coulli (f) Volkmann, 1979a

Tisbe ianthina Volkmann, 1979a

Tisbe longipes Volkmann, 1979a

T. bermudensis Willey *sensu* Yeatman (1976) may be synonymous with this species (Volkmann, 1979a).

Tisbe variana Volkmann, 1979a

Tisbe inflatiseta Volkmann, 1979c

Sibling species of *T. bulbisetosa*, cited (but not described) by Fava & Volkmann (1975).

Tisbe trisetosa Volkmann, 1979c

Tisbe elanitica (f) Volkmann, 1979c

Synonym: *Tisbe* aff. *bermudensis* Por & Marcus (1972), after Volkmann, 1979c..

The two species above belong to the *bermudensis*-group

Tisbe ramphigera Volkmann, 1979c

Species close to the *bermudensis*-group, after Volkmann, 1979c.

Synonyms: *T. tenera* (Sars)? *sensu* Coull (1970b) and *Tisbe* sp. Coull, 1971a (after Volkmann, 1979c).

Tisbe perplexa Volkmann, 1979c

Species of the *angusta*-group, after its author.

Synonym: *Tisbe* n. sp. Fava & Volkmann, 1975 (after Volkmann, 1979c).

Amendments: Vilela (1965), as *T. angusta* (after Volkmann, 1979c).

Tisbe gigantea Volkmann, 1979c*Tisbe denticulata* Volkmann, 1979c*Tisbe maraensis* Volkmann, 1979c

The three species above belong to the *gracilis*-group, after their author.

Tisbe japonica Ho, 1982

Species of the *gracilis*-group, after its author.

Tisbe spinulosa Bradford & Wells, 1983*Tisbe caymanensis* Yeatman, 1984*Species incertae et incertae sedis**Tisbe elongata* (A. Scott, 1896)*Tisbe racovitzae* (Giesbrecht, 1902)

According to Volkmann (1979c), the two species above must be considered as '*incertae sedis*'.

Tisbe longisetosa (f) Gurney? *sensu* Sewell, 1940*Tisbe dilatata* Klie, 1949

Amendments: Apostolov, 1973d; Apostolov & Marinov, 1988.

Redescription: Marcus, 1967.

Volkmann (1979c) assumed that this species could be either a synonym of *T. bulbiseta*, or *T. inflatiseta*, or of another species...

Tisbe longicornis (m) (T. & A. Scott) *sensu* Margalef, 1953

Margalef's description and drawings are too inaccurate to be sure of the identification.

Tisbe sp. (f) Roe, 1959

Species close to *T. graciloides* (Sars), after Roe; but the description is very incomplete, lacking illustrations.

Tisbe sp. (f) Bozic, 1965 (p. 355)Genus *Scutellidium* Claus, 1866

Synonym: *Scutellopsis* Wiborg, 1964 (after Pallares, 1969).

Key to the species: Pallares, 1969; Branch, 1975.

Scutellidium longicauda (Philippi, 1840)

Amendments: Pesta, 1959; Yeatman, 1962; Pallares, 1968a; Apostolov, 1973b; Apostolov & Marinov, 1988.

Scutellidium hippolytes (Kröyer, 1863)

Amendments: Klie, 1949 (m); Chislenko, 1967; Mielke, 1974.

Scutellidium arthuri Poppe, 1884

Synonyms: *Sc. purpurocincta* Monk, 1941 and *Sc. dentipes* Vervoort, 1964 (after Vervoort, 1964, Lang 1965b and Branch, 1975).

Amendments: Monk, 1941; Apostolov & Marinov, 1988.

Redescription: Itô, 1976b.

Scutellidium plumosum Brady, 1899

Amendments: Wiborg, 1964; Pallares, 1969.

Scutellidium australe (T. Scott, 1912)

Amendments: Pallares, 1968a and 1975b.

Scutellidium ligusticum (Brian, 1920)

Amendments: Noodt, 1955a; Pesta, 1959.

*Species novae**Scutellidium lamellipes* Monk, 1941

Synonyms (?): *Sc. loureiroi* Jakobi (1954a) and *Sc. deseadensis* Pallares (1969); but descriptions of *Sc. lamellipes* and *Sc. loureiroi* are much too incomplete to be certain of them, after Branch (1975).

Scutellidium intermedium (Nicholls, 1941)

Comb. nov. (Lang, 1965b) for *Machairopus intermedium* Nicholls, 1941b.

Scutellidium cockburni (Fairbridge, 1944)

Comb. nov. (Lang, 1965b) for *Machairopus cockburni* Fairbridge, 1944.

Scutellidium armatus (Wiborg, 1964)

Comb. nov. (Pallares, 1969) for *Scutellopsis armatus* Wiborg, 1964.

Scutellidium strigosum Pallares, 1969*Scutellidium ringueleti* Pallares, 1969

Synonym: *Sc. spinatum* Hicks, 1971 (after Branch, 1975).

Scutellidium patellarum Branch, 1974*Scutellidium macrosetum* Branch, 1975

Species close to *Sc. armatus* (Wiborg).

Scutellidium hippolytes (Kröyer) *akaba* Itô, 1976b*Scutellidium longicauda* (Philippi) *acheloides* Itô, 1976b

Amendments: Song & Chang, 1995.

Scutellidium boreale Itô, 1976b

Synonym (?): *Sc. hippolytes* (Kröyer) *sensu* Lang, 1965b.

Scutellidium hirutai Itô, 1976b*Scutellidium caeneus* Itô, 1976b

Itô (1976b) distinguished several groups within the '*Scutellidium* complex' and suggested a distribution of the known species over these groups.

Genus *Sacodiscus* Wilson, 1924*Sacodiscus ovalis* (C.B. Wilson, 1944)

Comb. nov. (Humes, 1960 and Lang, 1965b) for *Unicalteutha ovalis* C.B. Wilson, 1944.

Species nova

Sacodiscus humesi (f) Stock, 1960Genus *Bathyidia* Farran, 1926

Contrary to Lang (1948) who considered this genus synonymous with *Tisbe*, Boxshall (1979) and Volkmann (1979c) favoured the reinstatement of it, with *B. remota* Farran (1926) as type-species.

Genus *Tisbella* Gurney, 1927

Review of the genus: Volkmann, 1979b.

Tisbella timsae Gurney, 1927

Redescription: Volkmann, 1979b.

Tisbella pulchella (Wilson, 1932)

Redescriptions: Yeatman, 1963; Volkmann, 1979b.

Species novae

Tisbella rosea Volkmann, 1979b*Tisbella alba* Volkmann, 1979b

Synonym: *T. timsae* Gurney *sensu* Willey, 1930, Coull, 1970b and Coull & Herman, 1970 (after Volkmann, 1979b).

Genus *Paraidya* Sewell, 1940

Contrary to Lang (1965b, p. 145), Humes & Ju-Shey Ho (1969b) considered the genus *Paraidya* distinct from the genus *Tisbe*.

Paraidya major Sewell, 1940

Amendments: Humes, 1981c.

Paraidya minor Sewell, 1940

Amendments: Humes, 1981c.

Paraidya occulta Humes & Ju-Shey Ho, 1969b.

Genus *Tisbentra* Sewell, 1940

Genus accepted by Lang (1965b), close to *Tisbe* Lilljeborg and to *Tisbella* Gurney.

Tisbentra nankaurica (f) Sewell, 1940

Named, probably by mistake, *T. nicobarica* in Sewell's (1940, p. 119) species list.

Tisbentra jonesi Ummerkutty, 1960.Genus *Volkmannia* Boxshall, 1979*Volkmannia forficula* Boxshall, 1979*Volkmannia attenuata* (f) Boxshall, 1979Genus *Neotisbella* Boxshall, 1979*Neotisbella gigas* Boxshall, 1979Genus *Drescheriella* Dahms & Dieckmann, 1987

Genus very close to *Tisbe*, after its authors.

Drescheriella glacialis Dahms & Dieckmann, 1987Subfam. **Idyanthinae** Lang, 1944Genus *Zosime* Boeck, 1872

Key to the species: Bodin, 1968b; Coull, 1973c; Dinet, 1974.

Zosime incrassata Sars, 1910

Description of the male: Drzycimski, 1969; Coull, 1973c.

Zosime valida Sars, 1919

Amendments: Por, 1964a.

Zosime gisleni Lang, 1948

Amendments: Por, 1967 (Por allocated this genus to the **Tachidiidae**).

species novae

Zosime erythraea (f) Por, 1967*Zosime bathyalis* (f) Por, 1967*Zosime atlantica* (f) Bodin, 1968b*Zosime incrassata bathybia* (f) Bodin, 1968

Nom. nov. (Apostolov & Petkovski, 1980) for *Zosime bathybia* Bodin, 1968b.

Zosime paramajor (f) Bodin, 1968b

Description of the male: Coull, 1973c.

Zosime bergensis Drzycimski, 1968a

Zosime reyssi (f) Dinet, 1974

Zosime paratypica (f) Becker & Schriever, 1979

Zosime pacifica Fiers, 1991b

Species incertae

Zosime aff. *incrassata* Sars, Por, 1964a

Zosime cf. *gisleni* Lang (m), Arlt, 1983

Genus *Idyella* Sars, 1906

Species nova

Idyella kunzi Bodin, 1968b

Species incerta

Idyella cf. *pallidula* Sars, Arlt, 1983

Genus *Tachidiella* Sars, 1909

Key to the species: Lang, 1965b (p. 146).

Tachidiella minuta Sars, 1909

Description of the male: Klie, 1949.

Amendments: Pallares, 1979; Arlt, 1983.

Species incerta

Tachidiella parva (f) Lang, 1965b

There is a contradiction between the key and the diagnosis of this species in Lang (1965b, p. 146). The key indicates 5 seta on the Exp. P₅ while the description and drawing (p. 150) mentions only 4 on this leg.

Genus *Idyanthe* Sars, 1909

Idyanthe dilatata (Sars, 1905)

Amendments: Chislenko, 1967; Mielke, 1974.

Species nova

Idyanthe australis Pallares, 1970

Genus *Tachidiopsis* Sars, 1911

The designation of this genus ('*incertum sedis*' in Lang, 1948, p. 414) to the **Tisbidae** was confirmed by Dinet (1974).

Key to the species: Bodin, 1968b; Coull, 1973c; Dinet, 1974.

Tachidiopsis cyclopoides Sars, 1911

Amendments: Drzycimski, 1969.

Species novae

Tachidiopsis sarsi (f) Bodin, 1968b

Tachidiopsis bozici Bodin, 1968b

Tachidiopsis laubieri (f) Dinet, 1974

Tachidiopsis parasimilis (f) Dinet, 1974

Tachidiopsis ibericus Becker, 1974

It should be mentioned that this species was not included in the author's thesis (1972).

Genus *Idyellopsis* Lang, 1944

Idyellopsis typica Lang, 1944

Redescription: Gee & Fleeger, 1986.

Genus *Neoscutellidium* Zwerner, 1967

Neoscutellidium yeatmani (f) Zwerner, 1967

Genus *Peresime* Dinet, 1974

Peresime abyssalis Dinet, 1974

Peresime reducta (Becker & Schriever, 1979)

Comb. nov. (Wells, 1981) for *Zosime reducta* Becker & Schriever, 1979.

Subfam. **Cholidiinae** Boxshall, 1979

Boxshall created the Cholidiinae for the parasite genus *Cholidya* Farran (incorrectly spelt *Cholydia* by Avdeev, 1982).

Genus *Cholydia* Farran, 1914

Cholydia polypi Farran, 1914

Redescription: Humes & Voight, 1997.

Genus *Cholidyella* Avdeev, 1982

Cholidyella incisa Avdeev, 1982

Cholidyella intermedia (Bresciani, 1970)

Comb. nov. (Avdeev, 1982) for *Cholidya intermedia* Bresciani.

Cholidyella breviseta Avdeev, 1986

Cholidyella nesisi Avdeev, 1986

Genus *Brescianiana* Avdeev, 1982

Brescianiana rotundata (f) Avdeev, 1982

Genus *Tripartisoma* Avdeev, 1983

Tripartisoma trapezoidalis (f) Avdeev, 1983

Tripartisoma ovalis (f) Avdeev, 1983

Genus *Yunona* Avdeev, 1983

Yunona marginata (f) Avdeev, 1983

Genus *Octopinella* Avdeev, 1986

Octopinella tenacis Avdeev, 1986

Genus *Avdeevia* Bresciani & Lützen, 1994

Avdeevia antarctica Bresciani & Lützen, 1994

Genus incertum et species incerta sedis

Genus *Idyanthopsis* Bocquet & Bozic, 1955

Idyanthopsis psammophila Bocquet & Bozic, 1955

In his 'Revision der Paramesochridae', Kunz (1962) considered this species as a synonym of *Diarthrodella orbiculata* Klie (1949), which should be placed in the **Paramesochridae**. However we must notice that Klie (1949) allocated (actually with reserves) the new genus *Diarthrodella* first to the **Thalestridae**. The discovery of another species, *Diarthrodella secunda* Kunz (1954), "ne semble pas avoir apporté plus de clarté dans cette question" in the very opinion of Bozic (1964b, p. 222). Unfortunately, Lang did not mention *Idyanthopsis psammophila* in his 'Remarks on the taxonomy' about the **Tisbidae** (1965b, p. 145).

Fam. ***SUPERORNATIREMIDAE** Huys, 1996b

After Huys (1996b) this new family is placed in the tisburyid complex of families and seems to occupy an intermediate position between the two free-living tisburyid subfamilies Tisbinae and Idyanthinae."

Key to the genera: Huys, 1996b.

Genus **Neoechinophora* Huys, 1996b

Neoechinophora fosshageni Huys, 1996b

Neoechinophora daltonae Huys, 1996b

Neoechinophora jaumei (m) Huys, 1996b

Neoechinophora karaytugi (f) Huys, 1996b

Genus **Superornatiremis* Huys, 1996b

Superornatiremis mysticus Huys, 1996b

Genus **Intercrusia* Huys, 1996b

Intercrusia problematica (f) Huys, 1996b

Fam. **PORCELLIDIIDAE** Sars, 1904

Huys *et al.* (1996) rejected the Australian genera *Brevifrons*, *Tectacingulum*, *Kioloaria*, *Murramia* and *Acutiramus* recently defined by Harris (1994) and Harris & Robertson (1994) on the grounds that creation of new genera should wait a revision of the type-genus *Porcellidium*. Within the context of this catalogue, I can only state that the diagnoses of these genera are in accordance with the rules of the ICZN and, thus, they are listed below with their species.

Genus ***Porcellidium*** Claus, 1860

Review of the genus : Tiemann, 1975 ; Harris, 1994 and Harris & Robertson, 1994 (who distinguished three subgroups : *hormosirii*, *fimbriatum* and *naviculum* and created several new genera). Attempting to clarify the 'clavigerum complex', Harris & Iwasaki (1996b) created two new genera (*Clavigofera* and *Kushia*) and placed the species *P. clavigerum*, *P. ulvum*, *P. laurencium* and *P. echinophilum* in the new genus *Clavigofera*.

Porcellidium viride (Philippi, 1840)

Synonyms: *P. sarsi* Bocquet, 1948.

P. lecanoides roscoffensis Bocquet, 1948.

In an attempt to sort out the '*fimbriatum-lecanoides*' complex with the help of some *Porcellidium* specimens found in Roscoff (France) Bocquet (1948) was convinced that *P. fimbriatum* from Claus and those from Sars were not conspecific. He gave the name *P. sarsi* to Sars' specimens while the name *roscoffensis* was introduced to designate a form of *P. lecanoides* Claus from Roscoff. Whatever the opinions of Lang (1948), Kunz (1963a) and Vervoort (1964) are regarding the synonymy between *P. lecanoides* and *P. viride*, the latter remains the only one accepted today.

Amendments: Nicholls, 1941a (as *P. fimbriatum*); Apostolov & Marinov, 1988.

Porcellidium tenuicauda Claus, 1860

Redescription: Bocquet, 1948 (who confirmed the synonymy of *P. dentatum* Claus with this species).

Porcellidium fimbriatum Claus, 1863

Considered as a synonym of *P. viride* by Lang (1948), Kunz (1963a) and Vervoort (1964), this species was reinstated and completely redescribed by Tiemann (1978).

Porcellidium ravanae Thompson & A. Scott, 1903

Amendments and description of the male: Wells & Rao, 1987.

Porcellidium affine Quidor, 1906

Amendments: Nicholls, 1941a (as *P. australe* Brady).

Species novae

Porcellidium malleatum Vervoort, 1964***Porcellidium tristanense*** Wiborg, 1964

Synonym: *P. peniculiferum* Tiemann, 1978 (after Hicks, 1982b).

Redescription: Hicks, 1982b.

Porcellidium rubrum Pallares, 1966

Amendments: Pallares, 1968a.

Porcellidium trisetosum Geddes, 1968c

Porcellidium unicus Ummerkutty, 1970

Porcellidium dilatatum Hicks, 1971

Porcellidium erythrum Hicks, 1971

Corrections: Hicks, 1982b.

Porcellidium planum Tiemann, 1977

Species close to *P. dilatatum* Hicks, after Tiemann, 1977.

Porcellidium hartmannorum Tiemann, 1978

Species close to *P. rubrum* Pallares, and assigned to the *fimbriatum* group, after Tiemann, 1977.

Porcellidium algoense Hicks, 1982b

Species close to *P. rubrum*, *P. erythrum* and *P. hartmannorum*, after Hicks, 1982b.

Porcellidium tapui Hicks & Webber, 1983

Species compared with *P. brevicaudatum* Thompson & A. Scott, 1903.

Porcellidium paguri Ho, 1986

Porcellidium londonii Harris, 1994

Porcellidium hormosirii Harris & Robertson, 1994

Porcellidium erythrogastrum Harris & Robertson, 1994

Porcellidium ocellum Harris & Robertson, 1994

Porcellidium phylloporum Harris & Robertson, 1994

Porcellidium pulchrum Harris & Robertson, 1994

Porcellidium naviculum Harris & Robertson, 1994

Porcellidium ofunatense Harris & Iwasaki, 1996a

Porcellidium kiiroum Harris & Iwasaki, 1996a

Porcellidium akashimum Harris & Iwasaki, 1996a

Species incertae

Porcellidium fulvum Thomson, 1882

Amendments: Nicholls, 1941a.

Porcellidium sp. (f) Ummerkutty, 1966

Porcellidium sp. (f) Gamô, 1969a

Porcellidium sp. Mizuno & Gamô, 1991

Genus **Acutiramus* Harris & Robertson, 1994

Acutiramus acuticaudatus (Thompson & A. Scott, 1903)

Comb. nov. (Harris & Robertson, 1994) for *Porcellidium acuticaudatum* Thompson & A. Scott, 1903.

Acutiramus brevicaudatus (Thompson & A. Scott, 1903)

Comb. nov. (Harris & Robertson, 1994) for *Porcellidium brevicaudatum* Thompson & A. Scott, 1903.

Redescription of the female and description of the male: Humes & Ho, 1969b (as *Porcellidium brevicaudatum*).

Acutiramus ovatus (Geddes, 1968)

Comb. nov. (Harris & Robertson, 1994) for *Porcellidium ovatum* Haller, 1879 *sensu* Geddes, 1968c(not *ovale* as written in Harris & Robertson's abstract).

Acutiramus rufolineatus Harris & Robertson, 1994

Acutiramus quinquelineatus Harris & Robertson, 1994

Genus **Tectacingulum* Harris, 1994

Tectacingulum tumidum Harris, 1994

Tectacingulum nigrum Harris, 1994

Genus **Murramia* Harris, 1994

Murramia magna Harris, 1994

Murramia bicincta Harris, 1994

Genus **Kioloaria* Harris, 1994

Kioloaria sesquimaculata Harris, 1994

Genus **Brevifrons* Harris, 1994

Brevifrons faviolatum Harris, 1994

Genus **Clavigofera* Harris & Iwasaki, 1996b

Clavigofera pacifica Harris & Iwasaki, 1996b

In addition to the type-species above, the genus *Clavigofera* should include the following species:

Clavigofera clavigera (Pesta, 1935)

Comb. nov. for *Porcellidium clavigerum* Pesta, 1935 (after Harris & Iwasaki, 1996b).

Species considered as a synonym of *P. viride* var. *macrurum* (Monard) by Kunz, 1963a.

Amendments: Marques (1977) and Hicks (1982b) as *Porcellidium clavigerum*.

Clavigofera echinophila (Humes & Gelerman, 1962)

Comb. nov. for *Porcellidium echinophilum* Humes & Gelerman, 1962 (after Harris & Iwasaki, 1996b).

Amendments: Hicks, 1982b, as *Porcellidium echinophilum*.

Clavigofera laurencia (Hicks, 1982b)

Comb. nov. for *Porcellidium laurencium* Hicks, 1982b (after Harris & Iwasaki, 1996b).

Synonym: *P. clavigerum* Pesta *sensu* Wells (1967) and Marques (1977), after Hicks (1982b).

Clavigofera ulva (Hicks, 1982b)

Comb. nov. for *Porcellidium ulvum* Hicks, 1982b (after Harris & Iwasaki, 1996b).

P. laurencium and *P. ulvum* belong to the '*P. clavigerum*-*echinophilum* complex', after Hicks (1982b).

Genus **Kushia* Harris & Iwasaki, 1996b

Kushia gamoi Harris & Iwasaki, 1996b

Kushia zosteraphila Harris & Iwasaki, 1996b

Kushia igaguria Harris & Iwasaki, 1996b

Fam. **PELTIDIIDAE** Sars, 1904

Key to the genera: Hicks, 1976, 1986a.

Genus *Peltidium* Philippi, 1839*Peltidium robustum* (Claus, 1889)

Amendments: Marques, 1961.

Peltidium ovale Thompson & A. Scott, 1903

Uncertainties remain about the sex described by Thompson & A. Scott, after Wells & Rao, 1987.

Redescription of the male: Gamô, 1969a.

Amendments: Wells & Rao, 1987.

Peltidium angulatum Thompson & A. Scott, 1903

Redescription of the female: Wells & Rao, 1987.

*Species novae**Peltidium maldivianum* (f) Sewell, 1940*Peltidium simplex* Nicholls, 1941a*Peltidium proximum* Nicholls, 1941a*Peltidium defreitasi* (f) Wells, 1967*Peltidium laudatum* Tanaka & Hue, 1968*Peltidium nichollsi* (f) Geddes, 1968c*Peltidium lernerii* (f) Geddes, 1968c*Peltidium perturbatum* Geddes, 1968c*Peltidium fenestratum* Geddes, 1968c*Species incertae**Peltidium speciosum* Thompson & A. Scott, 1903

Synonym: *Peltidium minutum* A. Scott, 1909 (after Nicholls, 1941a). But Wells & Rao (1987) doubted the validity of this species.

Amendments and description of the male: Nicholls, 1941a.

Peltidium sp. A (m) and *Peltidium* sp. B (m) Wells & Rao, 1987

According to Wells & Rao, each of these two forms could represent the male of *P. angulatum*.

Genus *Alteutha* Baird, 1845*Alteutha depressa* (Baird, 1837)

Synonyms (after Hicks, 1982b):

Alteutha austrina T. Scott, 1912

Alteutha langi Monk, 1941

? *Alteutha signata* Brady *sensu* Nicholls, 1941a

Alteutha littoralis Pallares, 1968a

Alteutha littoralis Pallares *sensu* Hicks, 1977.

Amendments: Petkovski, 1955c; Wiborg, 1964; Pallares, 1968a (as *A. austrina* T. Scott); Hicks, 1982b (m); Song & Chang, 1995.

Alteutha interrupta (Goodsir, 1845)

Amendments: Vos, 1945; Klie, 1949; Shen & Bai, 1956; Dahms, 1989.

Alteutha oblonga (Goodsir, 1845)

Amendments: Klie, 1949.

Alteutha typica Czerniavski, 1868

Amendments: Apostolov, 1973d; Apostolov & Marinov, 1988.

Redescription: Por, 1960a (who reinstated this species considered as a synonym of *A. depressa* (Baird) by Lang, 1948).

Alteutha sarsi Monard, 1924

Amendments: Hicks, 1982b.

Species novae

Alteutha spinicauda Nicholls, 1941a

Alteutha sewelli Krishnaswamy, 1953

Alteutha rara (f) Jakobi, 1954a

Alteutha roeae Hicks, 1982b

Synonym: *Alteutha* sp. (f) Roe (1958), after Hicks.

Alteutha polarsternae Dahms, 1992

Genus *Eupelte* Claus, 1860

Synonym: *Paralteutha* T. Scott, 1912 (after Hicks, 1986a).

Key to the species: Hicks, 1982b.

Eupelte gracilis Claus, 1860

Redescription of the female: Pesta, 1959; Pallares, 1968b (but Wells & Rao, 1987 doubted that Pallares' specimens belong to this species).

Eupelte villosa (Brady, 1910)

Amendments: Pallares, 1975b (as *Paralteutha villosa*); Dahms, 1992.

Species novae

Eupelte setacauda Monk, 1941

Eupelte simile (Monk, 1941)

Comb. nov. (Hicks, 1986a) for *Paralteutha simile* Monk, 1941.

Redescription: Itô, 1974 (as *Paralteutha simile*).

Eupelte tristanensis Wiborg, 1964*Eupelte minuta* (Ramirez, 1971)

Comb. nov. (Hicks, 1986a) for *Paralteutha minuta* Ramirez, 1971.

Eupelte regalis Hicks, 1971

Corrections: Hicks, 1982b.

Eupelte acutispinis Zhang & Li, 1976*Eupelte hexaseta* (f) Hicks, 1982b*Eupelte beckleyae* Hicks, 1982b

Species close to *E. tristanensis*, after Hicks, 1982b.

Eupelte aurulenta Wells & Rao, 1987Genus *Parapeltidium* A. Scott, 1909*Species novae**Parapeltidium dubium* (m) Nicholls, 1941a*Parapeltidium cristatum* Nicholls, 1941a*Parapeltidium nichollsi* Ummerkutty, 1970Genus *Alteuthellopsis* Lang, 1944*Species nova**Alteuthellopsis corallina* Humes, 1981b

Species found in washings of different scleractinians.

Genus *Neopeltopsis* Hicks, 1976*Neopeltopsis pectinipes* Hicks, 1976*Neopeltopsis hicksi* Pallares, 1979Genus *Alteuthoides* Hicks, 1986a*Alteuthoides kootare* Hicks, 1986a

Fam. **CLYTEMNESTRIDAE** A. Scott, 1909

Boxshall (1979) pointed out that the name **Pseudopeltidiidae** Poppe (1891) is not valid and must be replaced by **Clytemnestridae**.

Genus *Clytemnestra* Dana, 1848

Clytemnestra rostrata (Brady, 1883)

Amendments: Carvalho, 1945, 1952a; Dawson & Knatz, 1980.

Clytemnestra scutellata Dana, 1848

Amendments: Dawson & Knatz, 1980.

Fam. **TEGASTIDAE** Sars, 1904

Key to the genera: Cottarelli & Baldari, 1987c.

Genus *Tegastes* Norman, 1903

Tegastes longimanus (Claus, 1863)

Amendments: Klie, 1949; Pesta, 1959; Apostolov & Marinov, 1988.

Tegastes falcatus (Norman, 1868)

Amendments: Chislenko, 1967.

Tegastes nanus Sars, 1904

Amendments: Chislenko, 1967.

Redescription: McAlice & Coffin, 1990.

Tegastes clausi Sars, 1904

Amendments: Klie, 1949; Dahms, 1989.

Tegastes calcaratus Sars, 1910

Amendments and description of the male: Pesta, 1959.

Tegastes areolatus Monard, 1935

Amendments: Pesta, 1959.

Species novae

Tegastes minutus (f) Sewell, 1940

Tegastes brasiliensis (f) Jakobi, 1953b

Tegastes dalmatinus (f) Petkovski, 1955c

Tegastes porosus (f) Petkovski, 1955c

Tegastes riedli (f) Pesta, 1959

Tegastes elenae Marcus, 1963

Tegastes perforatus (m) Lang, 1965b

Tegastes knoeppfleri Médioni & Soyer, 1967b

Tegastes georgei Marcus & Masry, 1970

Tegastes singularisaetus Marcus, 1977

Tegastes pygmaeus Marcus, 1977

Tegastes fernandici Pallares, 1979

Tegastes acroporanus Humes, 1981a

Species close to *T. georgei* Marcus & Masry, after Humes, 1981a.

Tegastes cnidicus Humes, 1981b

Tegastes gemmeus Humes, 1984

Species living in association with the scleractinian *Cyphastrea ocellina*.

Tegastes paulipes Humes, 1984

Species living in association with the scleractinian *Pocillopora verrucosa*.

Species incertae

Tegastes falcatus (Norman)? *sensu* Pesta, 1959

Tegastes sp. (m) Noodt, 1958b

Species compared with *T. dalmatinus* Petkovski by Lang (1965b).

Tegastes sp. Pesta, 1959

The author assumed that his specimens were conspecific with *T. neapolitanus* (Claus).

Tegastes sp. (m) Geddes, 1968c

Genus *Parategastes* Sars, 1904

Key to the species: Kunz, 1980.

Parategastes sphaericus (Claus, 1863)

Synonym: *P. sphaericus punicus* Monard, 1935 (after Candeias, 1959).

Amendments: Vos, 1945; Jakobi, 1953b (as *P. sphaericus punicus*); Candeias, 1959.

Redescription: Pallares, 1970.

Species novae

Parategastes herteli Jakobi, 1953b

Parategastes caprinus Wellershaus, 1970

Parategastes coetzeei Kunz, 1980

Species close to *P. caprinus* Wellershaus and above all to *P. herteli* Jakobi, after Kunz, 1980.

Parategastes conexus Humes, 1984

Species living in association with the alcyonarian *Stereonephthya ulicoides*.

Genus *Syngastes* Monard, 1924*Syngastes cornalinus* Monard, 1924

Amendments: Pesta, 1959.

Redescription of the female: Geddes, 1968c.

Syngastes pietschmanni Pesta, 1932

Description of the male: Marcus, 1977.

Redescription of the female: Geddes, 1968c.

Amendments: Tanaka & Hue, 1968.

*Species novae**Syngastes indicus* (f) Sewell, 1940*Syngastes serratus* (m) Lang, 1965b*Syngastes glomeratus* (f) Geddes, 1968c*Syngastes gibbus* Geddes, 1968c*Syngastes langi* Geddes, 1968c*Syngastes tanzaniae* (f) Marcus, 1977*Syngastes kunzi* (f) Marcus, 1977*Syngastes spinifer* Fiers, 1983*Syngastes craterifer* Bartsch, 1993*Syngastes foveatus* Bartsch, 1994*Syngastes parilis* Bartsch, 1994*Syngastes porellus* Bartsch, 1994*Syngastes dentipes* Bartsch, 1995*Species incertae**Syngastes* sp. (f) Krishnaswamy, 1957b*Syngastes* sp. (f) Ummerkutty, 1966Genus *Feregastes* Fiers, 1986c*Feregastes wellensi* Fiers, 1986cGenus **Arawella* Cottarelli & Baldari, 1987c*Arawella alexandri* Cottarelli & Baldari, 1987c

Fam. **THALESTRIDAE** Sars, 1905 *sensu* Lang, 1948

Key to the genera: Lang, 1965b (p. 169). But Huys (1990a) deeply revised the Rhynchothalestrinae and created two related new families: the **Hamondiidae** and the **Ambunguipediidae**. The latter comprises the species *Rhynchothalestris rufocincta*, *R. similis*, *R. cornuta* and *R. vanhoeffeni*, while *R. helgolandica* and *R. campbelliensis* remain in the **Thalestridae**.

Subfam. **Thalestrinae** Lang, 1936Genus ***Thalestris*** Claus, 1863***Thalestris longimana*** Claus, 1863

Amendments: Vos, 1945; Chislenko, 1967; Apostolov & Marinov, 1988; Dahms, 1989.

Thalestris rufoviolacens Claus, 1866

Amendments: Apostolov & Marinov, 1988.

Thalestris rhodymeniae (Brady, 1894)

Redescription: Harding, 1954. According to Harding (1954) this species is close to *Th. purpurea* Sars and both may have been confused. Furthermore, Harding assumed that the copepod identified by Brady (1891) as *Harpacticus chelifera* could be *Th. rhodymeniae*.

Species nova

Thalestris gigas Chislenko, 1980Genus ***Amenophia*** Boeck, 1865***Amenophia peltata*** Boeck, 1865

Amendments: Chislenko, 1967 and 1977.

Amenophia pulchella Sars, 1906

Amendments: Roe, 1958.

Species nova

Amenophia orientalis Ho & Hong, 1988Genus ***Parathalestris*** Brady & Robertson, 1873

Key to the species: Lang, 1965b (p. 170).

Parathalestris harpactoides (Claus, 1863)

Amendments: Apostolov, 1972; Apostolov & Marinov, 1988.

Parathalestris clausi (Norman, 1868)

Amendments: Klie, 1949; Apostolov, 1972; Apostolov & Marinov, 1988.

Parathalestris intermedia Gurney, 1930

Amendments: Vos, 1945; Chislenko, 1967; Mielke, 1975.

Parathalestris incerta Lang, 1936

Amendments: Pallares, 1968a.

Parathalestris similis Lang, 1936

Amendments: Wiborg, 1964.

Parathalestris ganio Brehm, 1938

Amendments: Pallares, 1975b.

Species novae

Parathalestris irelandica Roe, 1958

Parathalestris bulbiseta Lang, 1965b

Parathalestris californica Lang, 1965b

Parathalestris dovi Marcus, 1966

Amendments: Bodin, 1973; Apostolov & Marinov, 1988.

Parathalestris cambriensis Wells, 1964

Parathalestris verrucosa Itô, 1970

Parathalestris pacificus Chislenko, 1971

Parathalestris areolata Itô, 1972a

Parathalestris patagonica Pallares, 1975d

Parathalestris vinosa Pallares, 1975d

Parathalestris aurantiaca Pallares, 1975d

Parathalestris plumiseta Moore, 1976a

Parathalestris mourei Masunari, 1988

Parathalestris infestus Ho & Hong, 1988

Species incertae

Parathalestris sp.? Bodin, 1964

Intermediate form between *P. harpactoides* (Claus) and *P. clausi* (Norman).

Parathalestris dovi Marcus? *sensu* Apostolov, 1977

Genus *Phyllothalestris* Sars, 1905

Phyllothalestris mysis (Claus, 1863)

Synonyms: *P. orientalis* Sewell, 1940 (after Noodt, 1955a).

P. sarsi Sewell *sensu* Wells (1967), after Wells & Rao, 1987.

Amendments: Apostolov, 1973d; Yeatman, 1976; Apostolov & Marinov, 1988.

*Species novae****Phyllothalestris harringtoni* Willey, 1935**

Originally described as a 'form' (*Phyllothalestris mysis* f. *harringtoni*), it was raised to specific rank by Sewell (1940), which was confirmed by Geddes (1969).

***Phyllothalestris sarsi* Sewell, 1940**

Synonym: *P. lata* Nicholls, 1942a (after Geddes, 1969).

*Species incerta****Phyllothalestris* sp. (m) (Por, 1964)**

Comb. nov. (Lang, 1965b) for *Eudactylopus* aff. *latipes* Por, 1964a.

Subfam. *Rhynchothalestrinae* Lang, 1948

This subfamily was deeply revised by Huys, 1990a.

Genus *Rhynchothalestris* Sars, 1905

After Huys (1990a), the genus comprises only the following species:

***Rhynchothalestris helgolandica* (Claus, 1863)**

Amendments: Chislenko, 1967.

Redescription: Huys, 1990a.

***Rhynchothalestris campbelliensis* Lang, 1934**

Synonym: *Rhynchothalestris helgolandica campbelliensis* Lang (1934), after Huys, 1990a.

Redescription: Huys, 1990a.

Amendments: Pallares, 1968a.

*Species nova****Rhynchothalestris tenuis* (f) Chislenko, 1971***Species inquirenda*

Rhynchothalestris tenuicornis (Brady, 1910), after Huys (1990a) because of Brady's inaccurate illustrations.

Genus *Peltthestris* Monard, 1924

Diagnosis: Huys, 1990a.

Subfam. *Dactylopusiinae* Lang, 1936**Genus *Diarthrodes* Thomson, 1882**

Key to the species: Lang, 1965b and, to species of southern hemisphere, Pallares, 1977.

Diarthrodes nobilis (Baird, 1845)

Amendments: Chislenko, 1967; Pallares, 1968b; Michailova-Neikova & Voinova-Stavreva, 1971; Apostolov, 1973d; Apostolov & Marinov, 1988.

Diarthrodes minutus (Claus, 1863)

Amendments: Apostolov & Marinov, 1988.

Diarthrodes ponticus (Kritzagin, 1873)

Synonyms: *D. dubius* (Brian, 1921), after Lang, 1948, 1965b. Por (1960a) raised the variety *Westwoodia assimilis* var. *dubia* Brian (1921) to specific rank, and considered *D. mediterraneus* (Monard, 1928) as a junior synonym of *D. dubius*, which was confirmed by Lang (1965b). However, Lang (*op. cit.*) maintained his previous opinion (Lang, 1948, p. 527) about the synonymy between *D. dubius* and *D. ponticus*.

Amendments: Pesta, 1959; Por, 1960a (as *D. dubius*); Apostolov, 1973d; Apostolov & Marinov, 1988.

Diarthrodes major (T. & A. Scott, 1895)

Redescription of the male: Chislenko, 1967.

Diarthrodes pygmaeus (T. & A. Scott, 1895)

Amendments: Apostolov & Marinov, 1988.

Diarthrodes assimilis (Sars, 1906)

Amendments: Apostolov & Marinov, 1988.

Redescription of the male (?): Apostolov, 1972.

Diarthrodes nanus (T. Scott, 1914)

Description of the male: Pallares, 1977.

*Species novae**Diarthrodes feldmanni* Bocquet, 1953*Diarthrodes cystoecus* Fahrenbach, 1954

The author described the male instead of the female, after Lang (1965b, p. 182). The latter assumed that the female was described as *D. imbricatus* (Brady) by Sewell, 1940.

Redescription: Fahrenbach, 1962; Wells & Rao, 1987.

Amendments: Pallares, 1977, who assumed that *D. cystoecus* could be a synonym of *D. feldmanni*.

Diarthrodes falcipes Marinoni, 1964*Diarthrodes dissimilis* Lang, 1965b*Diarthrodes unisetosus* (f) Lang, 1965b*Diarthrodes hirami* Por, 1967*Diarthrodes glaber* Wells, 1967*Diarthrodes fahrenheiti* (f) Bodin, 1968b*Diarthrodes drachi* Bodiou, 1974*Diarthrodes gravellicola* (f) Soyer, 1975b

Diarthrodes ponticus subsp. *orientalis* Apostolov, 1975

Amendments: Apostolov & Marinov, 1988.

Diarthrodes tetrastachyus Yeatman, 1976

Diarthrodes parvulus Pallares, 1977

Diarthrodes lilacinus Pallares, 1977

Diarthrodes latisetosus Chislenko, 1978

Diarthrodes zavodniki (m) Apostolov & Petkovski, 1980

Diarthrodes brevipes (f) Wells & Rao, 1987

Genus *Dactylopusia* Norman, 1903

Synonymy: *Dactylopodia* Lang, 1948.

Among others, Vervoort (1964) contested the introduction of *Dactylopodia* nom. nov. by Lang (1948) and suggested to reinstate *Dactylopusia*. Brinck (1964), however, was of the opposite opinion. For the majority of harpacticoid specialists, it seemed preferable to abandon a genus name (*Dactylopusia*) of which the definition encompassed species belonging to three different genera. But in 1985 the International Commission of Zoological Nomenclature decided to reinstate the genus *Dactylopusia* (type-genus of the Dactylopusiinae, nom. nov. for Dactylopodiinae) and designated *Dactylopusia tisboides* (Claus, 1863) as the type-species (Melville, 1985).

Dactylopusia tisboides (Claus, 1863)

Synonym: *Dactylopodia tisboides* (Claus) *sensu* Lang, 1948.

Amendments: Bodin (1964), Vilela (1965) and Lang (1965b) (as *Dactylopodia tisboides*); Pallares, 1968a; Apostolov, 1973d; Apostolov & Marinov, 1988 and Wells & Rao, 1987 (as *Dactylopodia tisboides*).

Dactylopusia neglecta Sars, 1905

Amendments: Mielke, 1974 (as *Dactylopodia neglecta*).

Dactylopusia micronyx Sars, 1905

Amendments: Vos, 1945.

Dactylopusia vulgaris Sars, 1905

Amendments: Wiborg, 1964; Mielke, 1974; Chislenko, 1977; Apostolov & Marinov, 1988 (all as *Dactylopodia vulgaris*).

Dactylopusia vulgaris var. *dissimilis* Brian, 1921

Amendments: Pesta, 1959 (as *Dactylopodia vulgaris dissimilis*).

Dactylopusia glacialis Sars, 1909

Amendments: Lang, 1965b (as *Dactylopodia glacialis*).

Dactylopusia euryhalina Monard, 1935

Synonym: *Dactylopodia vulgaris holsatica* Noodt, 1953 (after Lang, 1965b and Monchenko, 1967a).

Amendments: Mielke, 1974 (as *Dactylopodia euryhalina*).

Redescription: Monchenko, 1967a (as *Dactylopodia euryhalina*).

Dactylopusia falcifera Willey, 1935

In his monograph (1948), Lang suspected Willey of having mixed, as *Dactylopusia falcifera*, a species of the genus *Dactylopusia* and a species of the genus *Diarthrodes*. But, he reconsidered his opinion (1948, p. 527, 555) based upon the indications given in Sewell (1940, p. 223), and confirmed this afterwards (Lang, 1965b, p. 192).

*Species novae**Dactylopusia falcifera pallida* (f) Sewell, 1940*Dactylopusia falcifera violacea* Sewell, 1940

Remark: Lang (1965b) did not discuss the value of these two 'forms'.

Dactylopusia vulgaris inornata (f) (Lang, 1965)

Nom. nov. for *Dactylopodia vulgaris inornata* Lang, 1965b.

Dactylopusia crassipes (Lang, 1965)

Synonym: *Dactylopodia glacialis* (Sars) *sensu* Chappuis, 1958 (after Lang, 1965b).

Dactylopusia paratisboides (Lang, 1965b)

Synonym: *Dactylopodia tisboides* (Claus) *sensu* Chappuis, 1958 (after Lang, 1965b).

Dactylopusia brozkiae (f) (Chislenko, 1967)

Nom. nov. for *Dactylopodia brozkiae* Chislenko, 1967.

Dactylopusia pontica (f) (Apostolov, 1968)

Nom. nov. for *Dactylopodia pontica* Apostolov, 1968a.

Dactylopusia glacialis Sars *lazorica* (f) (Chislenko, 1971)

Nom. nov. for *Dactylopodia glacialis* (Sars) *lazorica* Chislenko, 1971.

Dactylopusia longyearbyenensis (m) (Mielke, 1974)

Nom. nov. for *Dactylopodia longyearbyenensis* Mielke, 1974.

Dactylopusia pecten (Pallares, 1975)

Nom. nov. for *Dactylopodia pecten* Pallares, 1975d.

Dactylopusia decostata (Pallares, 1975)

Nom. nov. for *Dactylopodia decostata* Pallares, 1975d.

Dactylopusia wrangeli (f) (Chislenko, 1982)

Nom. nov. for *Dactylopodia wrangeli* Chislenko, 1982.

*Species incertae**Dactylopusia incerta* (f) (Serban, 1959)

Nom. nov. for *Dactylopodia incerta* Serban, 1959. In the opinion of the author this 'temporary name' designates a form of which the systematic position is uncertain.

Dactylopusia falcifera Willey? Candeias, 1959

Nom. nov. for *Dactylopodia falcifera* (Willey)? *sensu* Candeias, 1959.

Dactylopusia sp.? (m) (Bodin, 1964)

Nom. nov. for *Dactylopodia* sp.? Bodin, 1964.

Genus *Paradactylopodia* Lang, 1944

Key to the species: Kunz, 1983.

Paradactylopodia latipes (Boeck, 1865)

Amendments: Vos, 1945 (as *Dactylopusia latipes*); Apostolov, 1973d; Apostolov & Marinov, 1988.

Paradactylopodia brevicornis (Claus, 1866)

Wells & Rao (1987) specified that the specificity of this species in comparison with *P. latipes* is doubtful.

Amendments: Noodt, 1955a; Vilela, 1965; Boer, 1971; Pallares, 1975e; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Redescription of the male: Chislenko, 1967.

Paradactylopodia oculata (Gurney, 1927)

Species novae

Paradactylopodia serrata Lang, 1965b

Paradactylopodia hexarticulata (f) Kunz, 1975b

Paradactylopodia striata Kunz, 1983

Paradactylopodia trioculata Hicks, 1988b

Species incerta

Paradactylopodia oculata (Gurney) *sensu* Yeatman, 1962.

Genus *Eudactylopus* A. Scott, 1909

Eudactylopus robustus (Claus, 1863)

Amendments: Wells & Rao, 1987.

Eudactylopus latipes (T. Scott, 1893)

Amendments: Carvalho, 1952a; Noodt, 1955d; Tanaka & Hue, 1968.

Description of the male: Noodt, 1955d (?); Raibaut, 1962.

The species has been split up in several forms which became subject of much discussion.

In 1940 Sewell described the form *andrewi* for 'indo-pacific' specimens, while the form *typica* was attributed to the Atlantic specimens. Vervoort (1964) raised the form *andrewi* to species rank and suggested to name the two forms described by Sewell: *E. andrewi andrewi* and *E. andrewi atlanticus*. But Lang (1965b) decided to keep Sewell's nomenclature and redescribed the female of the form *E. latipes typica* after specimens from Monterey Bay (Californie). Noodt (1955d) claimed to have found *E. latipes typica* in the Sea of Marmara, but Lang (1965b) assumed that those specimens were in fact *E. spectabilis* (Brian). Finally, contrary to the opinions of Vervoort (1964) and Lang (1965b), Itô (1974) thought that the form *atlanticus* Vervoort of *E. andrewi* Sewell must be raised to species rank; he completely redescribed *E. andrewi* and all its copepodid stages.

Eudactylopus spectabilis (Brian, 1923)

Synonym: *E. latipes typica* Sewell *sensu* Noodt, 1955d (after Lang, 1965b).

Amendments: Pesta, 1959; Marcus & Por, 1960.

Redescription: Chang & Song, 1995.

Species novae

Eudactylopus andrewi Sewell, 1940

Nom. nov. (Itô, 1974) for *E. latipes andrewi* and for *E. andrewi andrewi* Vervoort (1964).

Amendments: Wells & Rao, 1987; Chang & Song, 1995.

Redescription: Itô, 1974.

Eudactylopus atlanticus Vervoort, 1964

Nom. nov. (Itô, 1974) for *E. latipes typica* Sewell (1940) and for *E. andrewi atlanticus* Vervoort.

Eudactylopus australis (f) Nicholls, 1941a

Description of the male: Nicholls, 1942a.

According to Noodt (1955d), *E. australis* should be considered as a synonym of *E. robustus* (Claus). This was confirmed by Kunz (1963b) who found a female resembling *E. australis* in many respects. But Lang (1965b) dismissed those opinions and considered *E. australis* as a distinct species.

Eudactylopus lucayosi Geddes, 1969

Species incertae

Eudactylopus fasciatus Sewell, 1940

Noodt (1955d) treated Sewell's species as a subspecies of *E. robustus* (Claus). Lang (1965b) did not comment upon Noodt's opinion. Males described by Sewell were not adult.

Eudactylopus striatus Sewell, 1940

After Noodt (1955d), *E. striatus* should be a synonym of *E. robustus* (Claus). Lang (1965b) just mentioned this opinion without any comment. It has to be noted that the females described by Sewell were not adult.

Eudactylopus opima (Brian) f. *major* Sewell, 1940

Eudactylopus opima (Brian) f. *minor* Sewell, 1940

These two forms were discussed by Noodt (1955d) and Lang (1965b). Lang (1936) considered *E. opima* (Brian) synonymous with *E. robustus* (Claus). However, he believed (Lang, 1965b) that the specimens of Sewell represent a different species than *E. opima*. Moreover he assumed that, the two forms described by Sewell represent only different stages of the same species.

Eudactylopus krusadensis Krishnaswamy, 1952

This species is just mentioned here as a matter of interest, Lang (1965b) supposed that this species belongs to the **Diosaccidae**, but the description is so inaccurate that it has to be 'ignored'.

Eudactylopus sp. Griga, 1961

Eudactylopus? *robustus* (f) (Claus), Geddes, 1969

Genus *Dactylopodopsis* Sars, 1911

Dactylopodopsis dilatata Sars, 1911

Description of the male: Coull, 1973c.

Genus *Dactylopusioides* Brian, 1928

Dactylopusioides macrolabris (Claus, 1866)

Amendments: Green, 1958.

Genus *Neodactylopus* Nicholls, 1945a

Neodactylopus cyclopoides (f) Nicholls, 1945a

This genus and species, defined upon a single female specimen, were assessed by Vervoort (1964) who doubted their value. But Lang (1965b) considered them valid.

Synonym: *Eudactylopus? anomala* Sewell, 1940 (after Por, 1967); after Wells & Rao (1987), but this question remains unresolved.

Amendments: Por, 1967.

Description of the male: Sewell, 1940 (as *Eudactylopus? anomala*) after Por, 1967. Both Nicholls (1945a) and Lang (1965b) agreed to allocate the male described by Sewell to the genus *Neodactylopus*.

Species nova

Neodactylopus trichodes Wells & Rao, 1987

Genus *Paramenophia* Lang, 1954

Paramenophia platysoma (Thompson & A. Scott, 1903)

Comb. nov. (Lang, 1954 and Gamô, 1969b) for *Dactylopusia platysoma* Thompson & A. Scott, 1903.

Amendments: Pallares, 1973b.

Redescription of the female: Gamô, 1969a (as *Dactylopusia? platysoma*).

Description of the male: Pallares, 1975c.

Species novae

Paramenophia chilensis Lang, 1954

Paramenophia chilensis var. *tristanensis* Wiborg, 1964

Genus *Sewellia* Lang, 1965b

Sewellia tropica (f) (Sewell, 1940)

Comb. nov. (Lang, 1965b) for *Dactylopusia tropica* Sewell, 1940.

Description of the male: Krishnaswamy, 1957b (as *Dactylopusia tropica*).

Genus *Dactylopia* Becker, 1974

Dactylopia peruana Becker, 1974

Dactylopusiinae incerta sedis

Rhynchothalestris agigensis (f) Serban, 1959

Nom. nov. (Serban, 1959) for *Rh. rufocincta* (Claus) *sensu* Chappuis & Serban, 1953.

Subfam. **Pseudotachidiinae** Lang, 1936Genus *Idomene* Philippi, 1843

The species *I. aberrans* was transferred to the **Paranannopidae**, and assigned to the genus *Peltisenia* by Huys & Gee, 1996.

Idomene pectinata (T. & A. Scott, 1898)

Redescription of the female and description of the male: Kunz, 1963a.

Idomene laticaudata (Thompson & A. Scott, 1903)

Amendments and description of male: Wells, 1967.

Idomene simulans (Brady, 1910)

Amendments: Vilela, 1965.

Redescription of the female and description of the male: Kunz, 1963a.

Idomene scotti Lang, 1948

Amendments: Pallares, 1968a.

*Species novae**Idomene maldiviae* (f) (Sewell, 1940)

Comb. nov. (Bodin, 1967) for *Xouthous maldiviae* Sewell, 1940.

Amendments: Ummerkutty, 1966.

Redescription of the female: Wells & Rao, 1987.

Idomene parasimulans (f) Médioni & Soyer, 1967b*Idomene cookensi* Pallares, 1975b

Amendments: Mielke, 1992a.

*Species incerta**Idomene aemula* (Thompson & A. Scott, 1903)

Species questioned by Wells, 1967.

Genus *Pseudotachidius* T. Scott, 1897

Key to the species: Montagna, 1980.

Pseudotachidius coronatus T. Scott, 1897

Amendments: Drzycimski, 1969.

*Species novae**Pseudotachidius vikingus* Drzycimski, 1968c*Pseudotachidius abyssalis* (f) Becker, 1974*Pseudotachidius peruanus* (f) Becker, 1974*Pseudotachidius ibericus* (f) Becker & Schriever, 1979

Pseudotachidius brevisetosus Montagna, 1980

Species close to *Ps. coronatus* T. Scott, after Montagna, 1980.

Pseudotachidius bipartitus Montagna, 1980

Species close to *Ps. vikingus* Drzycimski, after Montagna, 1980.

Pseudotachidius bipartitus pacificus (f) Itô, 1983*Pseudotachidius horikoshii* (f) Itô, 1983*Pseudotachidius minutus* (f) Itô, 1983Genus *Dactylopodella* Sars, 1905

Key to the species: Hicks, 1989.

Dactylopodella flava (Claus, 1866)

Synonym: *Dactylopodella ornata* (Norman & T. Scott), after Hicks, 1989.

Amendments: Apostolov & Marinov, 1988; Hicks, 1989.

Dactylopodella clypeata Sars, 1911

Redescription of the female: Vervoort, 1962.

Redescription of the male: Moore, 1976a.

*Species novae**Dactylopodella incerta* (f) Vervoort, 1964*Dactylopodella janetae* (f) Hicks, 1989*Species incerta**Dactylopodella clypeata* Sars? *sensu* Guille & Soyer, 1966Subfam. **Donsiellinae** Lang, 1944 *sensu* Hicks, 1988

Initially accomodated within the **Laophontidae**, the subfamily was removed to the **Thalestridae** after a review by Hicks (1988a), who defined several new genera in it.

The species are in general strongly associated with submerged wood or *Laminaria* holdfasts and their associated isopod fauna.

Genus *Donsiella* Stephensen, 1936

Key to the species: Hicks, 1990.

Donsiella limnoriae Stephensen, 1936

Redescription: Hicks, 1988a.

Species novae

Donsiella anglica Hicks, 1988

Nom. nov. (Hicks, 1988a) for *Donsiella limnoriae* Stephensen *sensu* Krishnaswamy & Jones (1962).

Donsiella victoriae Hicks, 1988a

Donsiella bisetosa Hicks, 1988a

Donsiella phycolimnoriae Hicks, 1990

Genus *Pseudonsiella* Hicks, 1988a

Pseudonsiella aotearoa Hicks, 1988a

Genus *Apodonsiella* Hicks, 1988a

Apodonsiella indica (m) Hicks, 1988a

Genus *Xylora* Hicks, 1988a

Xylora bathyalis Hicks, 1988a

Xylora neritica Hicks, 1988a

Genus *Oligoxylora* Hicks, 1988a

Oligoxylora cooksoni (f) Hicks, 1988a

Fam. ***AMBUNGUIPEDIIDAE** Huys, 1990a

Based on a reevaluation of the Rhynchothalestrinae, Huys (1990a) assembled several species previously assigned to the genus *Rhynchothalestris* in the present family.

Genus **Ambunguipes* Huys, 1990a

Synonym: *Rhynchothalestris* (part.).

Ambunguipes rufocincta (Brady, 1880)

Com. nov. (Huys, 1990a) for *Rhynchothalestris rufocincta* (Brady, 1880).

Amendments: Yeatman, 1976; Apostolov & Marinov, 1988 (as *R. rufocincta*).

Redescription: Vervoort, 1962 (to be checked, after Huys, 1990a); Huys, 1990a.

Ambunguipes similis (A. Scott, 1909)

Comb. nov. (Huys, 1990a) for *Rhynchothalestris similis* (A. Scott, 1909) *sensu* Lang (1948); Huys did not agree about the synonymy of this species with *Ambunguipes rufocincta*.

*Species inquerenda**Ambunguipes vanhoeffeni* (Brady, 1910)

Comb nov. (Huys, 1990a) for *Rhynchothalestris vanhoeffeni* Brady, 1910.

Amendments: Nicholls, 1944; but Huys (1990a) supposed that the females described by Nicholls represent another species.

Genus **Lucayostratiotes* Huys, 1990a

Synonym: *Rhynchothalestris* (part.).

Lucayostratiotes cornuta (Geddes, 1969)

Comb. nov. (Huys, 1990a) for *Rhynchothalestris cornuta* Geddes, 1969.

Fam. ***HAMONDIIDAE** Huys, 1990aGenus **Hamondia* Huys, 1990a*Hamondia superba* Huys, 1990aFam. **BALAEOPHILIDAE** Sars, 1910Genus *Balaenophilus* P.O. Aurivillius, 1879*Balaenophilus unisetus* P.O. Aurivillius, 1879

Redescription: Vervoort & Tranter, 1961.

Fam. **PARASTENHELIIDAE** Lang, 1944

Genus ***Parastenhelia*** Thompson & A. Scott, 1903

Key to the species: Wells, Hicks & Coull, 1982.

Parastenhelia spinosa (Fischer, 1860)

Synonym: *P. littoralis* (Sars) f. *scotti* Sewell, 1940 (after Noodt, 1955a). The synonymy between *P. littoralis* and *P. spinosa* was already stated by Lang (1948).

Amendments: Nicholls, 1945a (as *P. forficula* (Claus) and *P. forficula* var. *littoralis* Lang); Bozic, 1955; Pesta, 1959; Chislenko, 1967; Marinov, 1974b; Chislenko, 1977; Apostolov & Marinov, 1988.

Redescription: Mielke, 1974.

Parastenhelia hornelli Thompson & A. Scott, 1903

Amendments: Apostolov, 1973d ; Apostolov & Marinov, 1988.

Redescription: Wells & Rao, 1987. The authors noticed that the 'variety' *krusadensis* described (inaccurately) by Krishnaswamy (1957b) does not belong to this genus and that its identity cannot be established properly.

Parastenhelia anglica Norman & T. Scott, 1905

Redescription of the female: Kunz, 1963a.

Description of the male: Wells, 1961; Kunz, 1963a.

Parastenhelia gracilis Brady, 1910

Amendments: Pallares, 1968a.

Parastenhelia ornatissima (Monard, 1935)

Amendments: Por, 1964a.

Species novae

Parastenhelia spinosa (Fischer) f. ***bulbosa*** Wells, 1963a

Upon the discovery of numerous specimens off the Scilly Islands and in the vicinity of the Exe estuary (Devon, England) by Wells (1961), Wells (1963a) suggested this name for a unnamed form earlier described by Bozic (1955).

Parastenhelia spinosa (Fischer) f. ***bulgarica*** Apostolov, 1968a

Amendments: Apostolov, 1973d.

Parastenhelia reducta Apostolov, 1975

Amendments: Apostolov & Marinov, 1988.

Parastenhelia megarostrum Wells, Hicks & Coull, 1982

Thalestris forficula Claus, 1863 *sensu* G.M. Thomson, 1946 (now considered as a synonym of *P. spinosa*) could be a synonym of *P. megarostrum*, but Thomson's illustrations do not allow to justify this with certitude.

Amendments: Dahms, 1993 (copepodid development)

Parastenhelia costata Pallares, 1982a

Redescription: Mielke, 1990b (with reserves about the identification).

Parastenhelia minuta Pallares, 1982a

Parastenhelia oligochaeta Wells & Rao, 1987

Fam. **DIOSACCIDAE** Sars, 1906

Huys (1995b) transferred the genus *Paraschizopera* Wells from this family to the **Tetragonicipitidae**, while Willen (1996b) allocated the genus *Pseudomesochra* to the **Paranannopidae**.

Nicholls (1941b) reviewed the family, but Lang (1948, p. 1616 to 1619) retained from this revision only the genus *Amphiascoides* (which name has priority upon *Amphiascella*).

Key to the genera: Lang, 1965b (p. 227).

Genus *Stenhelia* Boeck, 1865

Key to the species: Lang, 1965b (p. 228).

Subgenus *Stenhelia* s. str. Boeck, 1865

Key to the species: Thistle & Coull, 1979.

Stenhelia (*St.*) *gibba* Boeck, 1865

Amendments: Chislenko, 1967; Moore, 1976b; Chislenko, 1977; Letova, 1982.

Stenhelia (*St.*) *aemula* (T. Scott, 1893)

Synonym: *St. (St.) aemula* var. *bifida* Lang, 1936 (after Bodin, 1970).

Amendments: Marinov, 1977.

Redescription of the male: Bodin, 1970.

Stenhelia (*St.*) *proxima* Sars, 1906

Amendments: Apostolov & Marinov, 1988.

*Species novae**Stenhelia* (*St.*) *divergens* (f) Nicholls, 1940*Stenhelia* (*St.*) *peniculata* Lang, 1965b*Stenhelia* (*St.*) *pubescens* (f) Chislenko, 1978*Stenhelia* (*St.*) *diegensis* (f) Thistle & Coull, 1979*Stenhelia* (*St.*) *asetosa* Thistle & Coull, 1979*Stenhelia* (*St.*) *xylophila* (f) Hicks, 1988bSubgenus *Delavalia* Brady, 1868

Synonym: *Melima* Por (1964a), according to Wells & Rao (1987) after examination of specimens of the two known species: *M. caulerpae* and *M. bisetosa*.

The absence of sexual dimorphism on pereopods 1 to 4 in the species attributed to *Melima* may be of sufficient importance to reinstate *Melima*. But, stressing the many similarities between *Melima* and *Delavalia*, Coull (1976b) and Wells & Rao (1987) did not consider this as sufficient enough to maintain the genus.

Key to the species: Coull, 1976b.

Chaetotactic table: Coull, 1976b.

Stenhelia (D.) palustris Brady, 1868

Amendments: Veldre & Maesmets, 1956; Por, 1960a; Chislenko, 1967; Letova, 1982; Apostolov & Marinov, 1988.

Stenhelia (D.) longicaudata Boeck, 1872

Amendments: Chislenko, 1967.

Stenhelia (D.) reflexa Brady & Robertson, 1875

Amendments: Apostolov & Marinov, 1988.

Stenhelia (D.) minuta A. Scott, 1902

Description of the male: Marinov & Apostolov, 1981a.

Stenhelia (D.) normani T. Scott, 1905

Amendments: Pesta, 1959; Bodin, 1964; Apostolov, 1973b ; Apostolov & Marinov, 1988.

Stenhelia (D.) polluta Monard, 1928

Originally considered as a 'variety' of *St. (D.) normani*, it was raised to species rank by Wells & Rao, 1987.

Amendments: Por, 1964a; Wells & Rao, 1987.

Stenhelia (D.) tethysensis Monard, 1928

Description of the male: Monchenko, 1967c.

Amendments: Apostolov & Marinov, 1988.

Stenhelia (D.) longifurca Sewell, 1934

Redescription: Ranga Reddy & Radhakrishna, 1980a.

Description of the male: Ranga Reddy & Radhakrishna, 1980a.

Stenhelia (D.) cornuta Lang, 1936

Amendments: Marinov, 1977.

Stenhelia (D.) confluens Lang, 1948

Description of the male: Drzycimski, 1969.

*Species novae**Stenhelia (D.) latisetosa* (f) Sewell, 1940

There is quite some doubt about the exact the number of seta on the P₅ Exp. (*vide* Lang, 1965b).

Stenhelia (D.) truncatipes (f) Sewell, 1940

P₂-P₄ chaetotaxy was omitted in Sewell, 1940.

Stenhelia (D.) indica (f) Krishnaswamy, 1957b

Species close to *St. (D.) longifurca* Sewell, after Lang, 1965b.

Redescription: Wells & Rao, 1987.

Description of the male: Wells & Rao, 1987.

Stenhelia (D.) elizabethae Por, 1960a

Synonym: *St. (D.) normani* T. Scott *sensu* Monard, 1928 (after Por, 1960a).

Amendments: Por, 1964a; Marinov, 1971; Apostolov & Marinov, 1988.

Stenhelia (D.) incerta Por, 1964a

Species close to *St. (D.) reflexa* Brady & Robertson, after Lang, 1965b.

Stenhelia (D.) caulerpae (Por, 1964a)

Nov. comb. (Wells & Rao, 1987) for *Melima caulerpae* Por

Stenhelia (D.) ornementalia (f) Shen & Tai, 1965

In the English text, the species name is spelt *ornementalis*.

Stenhelia (D.) mastigochaeta Wells, 1965b

Stenhelia (D.) latipes Lang, 1965b

Stenhelia (D.) longipilosa Lang, 1965b

Stenhelia (D.) oblonga Lang, 1965b

Amendments: Wells & Rao, 1987.

Stenhelia (D.) nuwukensis (f) M.S. Wilson, 1965

Stenhelia (D.) unisetosa Wells, 1967

Stenhelia (D.) bermudensis Coull, 1969b

Stenhelia (D.) palustris Brady *bispinosa* Bodin, 1970

Stenhelia (D.) madrasensis (f) Wells, 1971

Synonym: *Stenhelia (D.) krishnensis* Radhakrishna & Ranga (1978), after Wells & Rao, 1987.

Amendments: Wells & Rao, 1987.

Stenhelia (D.) bisetosa (f) (Coull, 1971)

Comb. nov. (Wells & Rao, 1987) for *Melima bisetosa* Coull, 1971b.

Stenhelia (D.) coineauae Soyer, 1972b

Stenhelia (D.) bocqueti Soyer, 1972b

Stenhelia (D.) bifidia Coull, 1976b

Stenhelia (D.) golikovi (f) Chislenko, 1978

Stenhelia (D.) lima (f) Becker & Schrieffer, 1979

Stenhelia (D.) latioperculata Itô, 1981

Species particularly close to *St. (D.)* sp. aff. *minuta* A. Scott *sensu* Por (1964a), after its author.

Stenhelia (D.) intermedia Marinov & Apostolov, 1981a

Stenhelia (D.) adriatica Marinov & Apostolov, 1981a

Stenhelia (D.) noodti Schrieffer, 1982b

Stenhelia (D.) islandica (f) Schrieffer, 1982b

Stenhelia (D.) stephensoni Greenwood & Tucker, 1984

Stenhelia (D.) saharae (m) Marinov & Apostolov, 1985

Stenhelia (D.) breviseta Wells & Rao, 1987

Stenhelia (D.) mixta Wells & Rao, 1987

Stenhelia (D.) hirtipes Wells & Rao, 1987

Stenhelia (D.) clavus Wells & Rao, 1987

Stenhelia (D.) paraclavus (m) Wells & Rao, 1987

Stenhelia (D.) valens (f) Wells & Rao, 1987

Stenhelia (D.) fustiger Wells & Rao, 1987

Stenhelia (D.) ovalis (f) Wells & Rao, 1987

Species displaying many characteristics in common with the genus *Melima*, which Wells & Rao (1987) considered as a synonym of *Stenhelia (Delavalia)*.

Stenhelia (D.) andamanica (f) Rao, 1993

Species incertae

Stenhelia (D.) (reflexa?) (f) Brady & Robertson *sensu* Bodin, 1964

Stenhelia (D.) aff. *minuta* (f) A. Scott *sensu* Por, 1964a

Stenhelia (D.) sp. (m) Bodin, 1979a

Genus *Diosaccus* Boeck, 1872

The genus *Paradiosaccus* Lang (1944) was 'provisionally' abandoned by its author (Lang, 1965b) and considered as a synonym of *Diosaccus* Boeck.

Key to the species: Lang, 1965b (p. 249).

Diosaccus tenuicornis (Claus, 1863)

Amendments: Vos, 1945; Petkovski, 1964b; Vilela, 1965; Apostolov, 1973d; Apostolov & Marinov, 1988.

Diosaccus hamiltoni (Thompson & A. Scott, 1903)

Amendments: Wells & Rao, 1987.

Description of the male: Sewell, 1940.

Diosaccus varicolor (Farran, 1913)

Amendments: Klie, 1942 (as *Amphiascus varicolor*); Roe, 1959 (as *Paradiosaccus varicolor*).

Diosaccus varicolor biarticulatus (Monard, 1924)

Amendments: Apostolov, 1977 (as *Paradiosaccus varicolor biarticulatus*); Apostolov & Marinov, 1988.

Diosaccus truncatus Gurney, 1927

Description of the male: Krishnaswamy, 1951a.

Diosaccus spinatus Campbell, 1929

Amendments: Monk, 1941.

*Species novae**Diosaccus monardi* (f) Sewell, 1940

Noodt (1955d) allocated this species to the genus *Paradiosaccus* which was considered as synonymous with *Diosaccus* (Lang, 1965b).

Synonym: *Diosaccus monardi* f. *major* Krishnaswamy (1957b), after Wells & Rao (1987).

Description of the male: Krishnaswamy (1957b); Wells & Rao, 1987.

Amendments: Wells & Rao, 1987.

Diosaccus rebus (f) (Sewell, 1940)

Comb. nov. (Lang, 1965b) for *Amphiascus rebus* Sewell, 1940.

Diosaccus borborocoetus (f) Jakobi, 1954b*Diosaccus varicolor* (Farran) f. *pentasetosus* (f) (Noodt, 1955)

Comb. nov. (Lang, 1965b) for *Paradiosaccus varicolor* f. *pentasetosus* Noodt, 1955d.

Diosaccus ezoensis Itô, 1974*Species incertae*

Diosaccus aff. *valens* (Gurney) *sensu* Por, 1964a

Diosaccus sp. aff. *dentatus* (Thompson & A. Scott) *sensu* Itô, 1982b

Genus *Antiboreodiosaccus* Lang, 1944*Antiboreodiosaccus crassus* (Giesbrecht, 1902)

Redescription: Pallares, 1970.

Genus *Pseudodiosaccopsis* Lang, 1944*Species nova**Pseudodiosaccopsis mesogeae* (m) Por, 1964aGenus *Robertsonia* Brady, 1880

Key to the species: Hamond, 1973b; Fiers, 1996a.

Chaetotactic table: Fiers, 1996a.

Robertsonia tenuis (Brady & Robertson, 1880)

Synonym: *R. tenuis kieliensis* Becker, 1970 (after Hamond, 1973b).

Amendments: Chislenko, 1977; Arlt, 1983.

Robertsonia propinqua (T. Scott, 1893)

Synonyms: *Robertsonia* cf. *knoxii* (Thompson & A. Scott) *sensu* Bayly & Williams, 1966

Robertsonia sp. nov. *sensu* Bayly, 1970.

Amendments: Candeias, 1959; Rosenfield, 1967; Wells & Rao, 1987.

Redescription: Pallares, 1970; Hamond, 1973b.

Robertsonia knoxi (Thompson & A. Scott, 1903)

Synonym: *R. knoxi brasiliensis* (m) Jakobi, 1954b (after Hamond, 1973b). Wells & Rao (1987) considered this subspecies as 'problematical'.

Amendments: Marinov, 1971; Yeatman, 1976; Apostolov & Marinov, 1988.

Robertsonia salsa (Gurney, 1927)

Redescription: Por, 1973 (who, contrary to Lang (1948), considered it as distinct from *R. knoxi*).

Robertsonia angolensis (Monard, 1934)

Amendments: Marques, 1961.

Robertsonia celtica (Monard, 1935)

Redescription: Roe, 1958 (species 'incerta sedis' in Lang, 1948).

Robertsonia monardi (Klie, 1937)

Synonym: *R. paramonardi* Nicholls, 1945a (after Noodt, 1955d).

Amendments: Monchenko, 1966; Apostolov & Marinov, 1988.

*Species novae**Robertsonia adduensis* (f) (Sewell, 1940)

Synonym: *Teissierella adduensis* (f) Sewell (after Krishnaswamy, 1957b and Wells & Rao, 1987).

Amendments: Wells & Rao, 1987.

Description of the male: Wells & Rao, 1987.

Robertsonia mourei Nogueira, 1961*Robertsonia barnesi* (f) Hamond, 1973b*Robertsonia curtisii* Greenwood & Tucker, 1982*Robertsonia robusta* Wells & Rao, 1987

Species very close to (synonym of?) *R. curtisii* Greenwood & Tucker, 1982.

Robertsonia glomerata Fiers, 1996aGenus *Amphiascus* Sars, 1905 (part.)

Key to the species of the *minutus* group: Marcus, 1974b.

Table of the main morphological characters of the genus *Amphiascus* and related genera in Wells, Hicks & Coull, 1982.

Review of the *varians*-group: Hicks, 1989.

Amphiascus minutus (Claus, 1863)

Amendments: Klie, 1950; Pesta, 1959; Chislenko, 1967; Rosenfield, 1967; Boer, 1971; Apostolov, 1972; Mielke, 1974; Letova, 1982; Apostolov & Marinov, 1988.

Amphiascus tenuiremis (Brady & Robertson, 1880)

Synonym: *A. minutus* sp. 1 *sensu* Lang, 1965b (after Mielke, 1974).

Amendments: Klie, 1950.

Amphiascus congener Sars, 1909

Amendments: Chislenko, 1977.

Amphiascus gracilis Lang, 1936

Synonym (?): *Rhyncholagena* aff. *pestai* (Monard) *sensu* Por, 1964a.

Amendments: Pallares, 1968a; Apostolov & Marinov, 1988.

Amphiascus varians (Norman & T. Scott, 1905)

Amendments: Klie, 1950.

Amphiascus propinquus Sars, 1906

Synonyms: *A. angustipes* Gurney *sensu* Noodt (1955d), Petkovski (1955c) and Marinov (1974c);

A. polapinquus (not *polarpinquus* as written by Hicks, 1989) *sensu* Marcus (1966, 1974b), after Hicks (1989).

Amendments: Marcus, 1974b (as *A. polapinquus*); Apostolov & Marinov, 1988; Hicks, 1989.

Amphiascus tenellus Sars, 1906

Synonym: *A. angustipes* Gurney *sensu* Bodin, 1964 (after Hicks, 1989).

Amendments: Vos, 1945; Bodin, 1964 (as *A. angustipes*); Hicks, 1989.

Amphiascus sinuatus Sars, 1906

Amendments: Apostolov & Marinov, 1988.

Amphiascus polaris Sars, 1909

Amendments: Hicks, 1989.

Amphiascus angustipes Gurney, 1927

Considered synonymous with *A. propinquus* by Wells (1968), which was doubted by Wells & Rao (1987); the species was reinstated by Hicks (1989).

Amendments: Hicks, 1989.

Redescription: Vervoort (1962), although there are inconsistencies between description and illustrations (Hicks, 1989).

Amphiascus caudalespinosus Brian, 1927

Amendments: Apostolov & Marinov, 1988.

Amphiascus gauthieri Monard, 1936

Amendments: Pallares, 1968a.

Amphiascus parvus Sars, 1906

Amendments: Klie, 1942, 1950; Noodt, 1955d; Pesta, 1959.

Redescription: Yeatman, 1970.

Species novae

- ♦ Species of the *minutus* group (*sensu* Lang, 1948):

Amphiascus demersus Nicholls, 1940*Amphiascus graciloides* Klie, 1950

Amphiascus paracaudaespinosus Roe, 1958

This species, considered questionable by Lang (1965b), was treated as valid by A. Marcus (1974b).

Amphiascus longarticulatus Marcus, 1974b

Synonym: *Amphiascus* sp. Wells, 1968 (after Bodin, 1977).

Redescription: Bodin, 1977.

Amphiascus discrepans Mielke, 1989a

- ♦ Species of the *varians* group (*sensu* Lang, 1948):

Amphiascus ampullifer (Humes, 1953)

Described as *Mesamphiascus ampullifer*, this species was allocated with strong reserves to the genus *Amphiascus* by Lang (1965b). Earlier, Vervoort (1964) suggested that 'the best solution undoubtedly would be to erect a new genus' for it.

Amphiascus dentiformis Coull, 1971a*Amphiascus lobatus* Hicks, 1971*Amphiascus elongatus* Itô, 1972a

Species found on the gills of the decapod crustacean *Telmessus cheiragonus* (Tilesius).

Amphiascus profundus (f) Becker & Schrieffer, 1979*Amphiascus tainui* Hicks, 1989

- ♦ Species of the *pacificus* group (*sensu* Lang, 1948):

Amphiascus undosus Lang, 1965b*Species incertae**Amphiascus monodi* Monard, 1952

According to Lang (1965b) this name covers a mixture of two different species: the male belong either to the genus *Amphiascoides* Nicholls or to the genus *Paramphiascella* Lang, but, he was unable to assign the female to a certain genus, and advised to disregard this 'species'.

Amphiascus sp.? (m) Pesta, 1959*Amphiascus humphriesi* Roe, 1959

Lang (1965b) considered this species as doubtful and assumed that it is an aberrant specimen of *A. parvus*.

Amphiascus sp. 1 and sp. 2 Griga, 1961*Amphiascus parvus* Sars? (f) Rouch, 1962*Amphiascus parvus* Sars? (f) Noodt, 1964*Amphiascus tenellus* Sars? Noodt, 1964*Amphiascus minutus* (Claus) sp. 1 Lang, 1965b

This species was considered as a synonym of *A. tenuiremis* (Brady & Robertson) by Mielke (1974), while Scheibel (1973) stated that the subspecies *A. graciloides trisetatus* Klie (not accepted by Lang, 1965b) was a synonym of *A. minutus* sp. 1 (and thus consequently of *A. tenuiremis*).

The taxonomy of the '*minutus* complex' is, in the opinion of Lang (1965b, p. 255), a tricky problem, which was the reason why Lang asked to describe entirely every species related to this group.

Genus *Amphiascopsis* Gurney, 1927 (part.)

A detailed study of *A. cinctus* (Claus) and *A. obscurus* (Sars), as well as a comparison with Californian specimens, led Lang (1965b) to the conclusion that *A. obscurus* is a synonym of *A. cinctus*. In order to avoid mistakes, Lang recommended to describe as completely as possible specimens related to the genus *Amphiascopsis* and, as an example, he redescribed Sars' specimens entirely, considering them as identical with the specimens from California.

Amphiascopsis cinctus (Claus, 1866)

Synonyms: *A. longipes* Nicholls, 1941a (after Noodt, 1964 and Lang, 1965b).

A. australis Nicholls, 1941a (after Lang, 1965b). This synonymy was discussed in Wells & Rao, 1987.

Amendments: Marques, 1957, 1961; Pesta, 1959; Noodt, 1964; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Redescription: Lang, 1965b (as *Amphiascopsis cinctus* sp.1); Yeatman, 1970; Pallares, 1970; Hicks, 1971.

Amphiascopsis thalestroides (Sars, 1911)

Amendments: Petkovski, 1964b; Moore, 1976b; Apostolov & Marinov, 1988.

Amphiascopsis angrapequensis (Pesta, 1916)

Amendments: Kunz, 1963a.

Amphiascopsis southgeorgiensis (Lang, 1936)

Redescription: Hicks, 1971.

Species nova

Amphiascopsis coralicola (Sewell, 1940)

Comb. nov. (Noodt, 1964 and Lang, 1965b) for *Amphiascus coralicola* Sewell, 1940.

Species incertae

Amphiascopsis angrapequensis (Pesta)? Noodt, 1964

Amphiascopsis aff. *cinctus* (Claus) (f) Noodt, 1964

Genus *Dactylopodamphiascopsis* Lang, 1944

Dactylopodamphiascopsis latifolius (Sars, 1909)

Amendments: Chislenko, 1977.

Genus *Amonardia* Lang, 1944

Key to the males: Lang, 1965b (p. 279).

Amonardia similis (Claus, 1866)

Amendments: Vos, 1945 (as *Amphiascus similis*); Por, 1964a; Apostolov & Marinov, 1988.

Redescription of the male: Noodt, 1955a. In accordance with Lang (1948), Noodt rightly considered Monard's identification (Monard, 1928) as not very sure.

Amonardia normani (Brady, 1872)

Amendments: Griga, 1963; Pallares, 1968a; Dinet, 1971; Apostolov, 1972; Apostolov & Marinov, 1988; Song & Chang, 1995.

Redescription: Pinkster, 1968.

Amonardia arctica (T. Scott, 1898)

Redescription of the male: Mielke, 1974.

Amonardia phyllopus (Sars, 1906)

Amendments: Yeatman, 1962; Ceccherelli & Rossin, 1979.

Amonardia subnasuta (Willey, 1935)

Nom. nov. (Lang, 1965b) for the subspecies *A. arctica subnasuta* (Willey, 1935).

*Species novae**Amonardia pentasetosa* Noodt, 1954b

Redescription: Becker, 1972.

Amonardia pelophila Por, 1964a

The male described by Por was perhaps abnormal (Lang, 1965b).

Amonardia tristanensis Wiborg, 1964*Amonardia perturbata* Lang, 1965b*Amonardia magna* (f) Chislenko, 1978Genus *Pseudamphiascopsis* Lang, 1944*Pseudamphiascopsis attenuatus* (Sars, 1906)

Synonyms: *Ps. ismaelensis* (Monard, 1936) and *Ps. attenuatus orientalis* Noodt, 1955d (after Wells, 1968).

Amendments: Apostolov, 1977 (as *Ps. attenuatus orientalis*); Apostolov & Marinov, 1988.

Genus *Metamphiascopsis* Lang, 1944*Metamphiascopsis hirsutus* (Thompson & A. Scott, 1903)

Amendments: Klie, 1942 (as *Amphiascus hirsutus*); Pesta, 1959; Wells & Rao, 1987.

Redescription: Tanaka & Hue, 1968.

Metamphiascopsis hirsutus bermudae (Willey, 1930)

Redescription: Yeatman, 1976.

*Species nova**Metamphiascopsis nicobaricus* (Sewell, 1940)

Comb. nov. (Lang, 1965b) for *Amphiascus nicobaricus* Sewell, 1940.

Amendments: Wells & Rao, 1987.

Genus *Paramphiascopsis* Lang, 1944

Key to the species: Lang, 1965b (p. 272); Hicks, 1986b.

Paramphiascopsis longirostris (Claus, 1963)

Amendments: Marcus, 1960; Griga, 1963; Petkovski, 1964b; Marinov, 1971; Hamond, 1972; Apostolov & Marinov, 1988.

Paramphiascopsis giesbrechti (Sars, 1906)

Amendments: Hamond, 1972.

Species novae

Paramphiascopsis soyeri Lang, 1965

Nom. nov. (Lang, 1965b) for *Paramphiascopsis pallidus* (Sars) *sensu* Soyer, 1963b.

Synonym: *P. pallidus* (Sars) *sensu* Grandori, 1912 (after Lang, 1965b).

Paramphiascopsis ekmani Lang, 1965b

Paramphiascopsis paromolae Soyer, 1973c

Paramphiascopsis triarticulatus Moore, 1976b

Paramphiascopsis waihonu Hicks, 1986b

Genus *Bulbamphiascus* Lang, 1944

Key to the species: Dinét, 1971.

Bulbamphiascus imus (Brady, 1872)

Synonyms: *Amphiascus inermis* (m) Sewell (1940), after Wells & Rao, 1987. This species was allocated to the genus *Bulbamphiascus* by Lang (1965b).

Bulbamphiascus angustifolius (f) Klie, 1950, after Wells & Rao, 1987.

Amendments: Bodin, 1964; Dinét, 1971; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Description of the male: Wells, 1961 (P₅); Bodin, 1964.

Species novae

Bulbamphiascus chappuisi Rouch, 1962

Bulbamphiascus minutus (f) Dinét, 1971

Bulbamphiascus cibimae Pallares, 1982a

Species incerta

Bulbamphiascus sp. (female copepodid) Becker & Schriever, 1979.

Genus *Robertgurneya* Lang, 1944

Key to the species: Lang, 1965b (p. 295); Hamond, 1973d.

Robertgurneya similis (A. Scott, 1896)

Synonym: *Amphiascus scotti* Williamson, 1958.

Robertgurneya erythraeus (A. Scott), after Lang (1948). But, in his thesis, Rosenfield (1967) considered *R. erythraeus* as a valid species.

Amendments: Rosenfield, 1967; Marinov, 1971; Apostolov, 1972; Apostolov & Marinov, 1988.

Robertgurneya simulans Norman & T. Scott, 1905)

This species was reinstated by Lang (1965b) who previously considered it as a synonym of *R. similis* in his monograph (1948).

Robertgurneya spinulosa (Sars, 1911)

Amendments: Apostolov & Marinov, 1988.

Robertgurneya rostrata (Gurney, 1927)

Amendments: Klie, 1942 (as *Amphiascus rostratus*).

Robertgurneya ilievecensis (Monard, 1935)

Description of the male: Wells, 1963b (as *R. iliviciensis*) and Por, 1964a.

Redescription of the female: Hamond, 1973d.

Robertgurneya falklandiensis (Lang, 1936)

Amendments: Pallares, 1968a.

Robertgurneya ecaudata (Monard, 1936)

Amendments: Klie, 1942 (as *Amphiascus ecaudatus*).

Species novae

Robertgurneya remanei Klie, 1950

Robertgurneya similis bulbamphiascoides (f) Noodt, 1955d

Robertgurneya oligochaeta (f) Noodt, 1955d

Description of the male: Apostolov, 1978.

Amendments: Rouch, 1962; Marinov, 1971; Apostolov, 1972; Apostolov & Marinov, 1988.

Robertgurneya arabica (Noodt, 1964)

Comb. nov. (Lang, 1965b and Hamond, 1973d) for *Amphiascoides? arabicus* Noodt, 1964.

Robertgurneya hopkinsi Lang, 1965b

Robertgurneya diversa Lang, 1965b

Robertgurneya smithi Hamond, 1973d

Robertgurneya soyeri Apostolov, 1974

Amendments: Apostolov & Marinov, 1988.

Robertgurneya brevipes (f) Wells & Rao, 1987

Species incertae

Robertgurneya intermedia Bozic, 1955

Here it would appear to be only an aberrant *Amphiascus* specimen, after Lang, 1965b.

Robertgurneya sp. Marinov & Apostolov, 1985

Genus *Typhlamphiascus* Lang, 1944

A print mistake changed this name in *Typhlamphiascus* in Bodin, 1964.

Typhlamphiascus confusus (T. Scott, 1902)

Synonym: *Typhlamphiascus* sp. 1 Bodin, 1964.

The analysis of the different 'types' within *T. confusus* made by Por (1963) was criticized by Lang (1965b).

Amendments: Klie, 1942 (as *Amphiascus confusus*), 1950; Por, 1964a, 1967; Marinov & Apostolov, 1985; Apostolov & Marinov, 1988.

Typhlamphiascus gracilicaudatus (Thompson & A. Scott, 1903)

Description of the male: Por, 1963.

Amendments: Por, 1967.

Typhlamphiascus typhlops (Sars, 1906)

Amendments: Chislenko, 1967; Becker, 1970; Apostolov & Marinov, 1988.

Typhlamphiascus lamellifer (Sars, 1911)

Description of the male: Klie, 1941a.

Amendments: Becker, 1970.

Species novae

Typhlamphiascus lutincola Soyer, 1963a

Amendments: Soyer, 1964b.

Typhlamphiascus gracilis Por, 1963

Amendments: Bodin, 1968b.

Typhlamphiascus drachi Soyer, 1964b

Typhlamphiascus unisetosus (f) Lang, 1965b

Typhlamphiascus pectinifer Lang, 1965b

Amendments: Pallares, 1975b.

Typhlamphiascus latifurca Por, 1968a

Typhlamphiascus bouligandi Soyer, 1972b

Typhlamphiascus lamellifer (Sars) *capensis* (f) Kunz, 1975b

Typhlamphiascus ovale Wells & Rao, 1987

Species incertae

Typhlamphiascus longifurcatus Rouch, 1962

Lang (1965b) presumed that this species is a representative of a new genus, close to *Robertgurneya*.

Typhlamphiascus typhlops (Sars)? Por, 1963

Por (1963) thought to have found the male of this species, but was not certain of this.

Typhlamphiascus sp. 2 (f) Bodin, 1964

Typhlamphiascus sp. (m) Vilela, 1965

Typhlamphiascus aff. *confusus* (T. Scott), Moore, 1976b

Moore compared his specimens with other species of the *confusus* group.

Typhlamphiascus sp. I (? *confusus* Sars), Marinov, 1977

Typhlamphiascus sp. II Marinov, 1977

Genus *Rhyncholagena* Lang, 1944

Species novae

Rhyncholagena pestai (Monard) *americana* (f) Rouch, 1962

Rhyncholagena levantina Por, 1964a

Rhyncholagena josaphatis Por, 1967

Rhyncholagena littoralis (f) Por, 1967

Rhyncholagena profundorum (f) Por, 1967

Rhyncholagena bermudensis (f) Malt, 1990

Species incertae

Rhyncholagena sp. (f) Bodin, 1964

Rhyncholagena aff. *pestai* (Monard) (f) *sensu* Por, 1964a (perhaps synonym of *Amphiascus gracilis* Lang?)

Genus *Amphiascoides* Nicholls, 1941a, 1941b

Synonym: *Amphiascella* Lang, 1944.

Key to the species: Lang, 1965b (p. 305).

Amphiascoides brevifurca (Czerniavski, 1868)

Amendments: Noodt, 1955d; Apostolov & Marinov, 1988.

Amphiascoides subdebilis (Willey, 1935)

This species need a redescription, after Wells & Rao, 1987.

Amendments: Bodin, 1964 (as *Amphiascella subdebilis*); Noodt, 1955d; Chislenko, 1967; Drzycimski, 1969; Pallares, 1975e; Apostolov & Marinov, 1988.

Amphiascoides debilis (Giesbrecht, 1881)

Synonym: *A. limicolus* (Brady), after Lorenzen, 1969 and Moore, 1976b. Personally, and after close examination of many specimens, I am convinced that there are at least two different subspecies involved.

Amendments: Klie, 1944 and Vos, 1945 (as *Amphiascus debilis*); Wells, 1963a (as *Amphiascoides limicola*); Chislenko, 1967; Rosenfield, 1967; Lorenzen, 1969; Becker, 1970; Bodin, 1972a (as *Amphiascoides limicolus*); Mielke, 1975; Letova, 1982; Arlt, 1983; Apostolov & Marinov, 1988.

Amphiascoides dispar (T. & A. Scott, 1894)

Amendments: Becker, 1970.

Amphiascoides nanus (Sars, 1906)

Description of the male: Mielke, 1974.

Amphiascoides nanoides (Sars, 1911)

Description of the male: Bodin, 1964 (as *Amphiascella nanoides*).

*Species novae**Amphiascoides nichollsi* (f) Lang, 1965

Nom. nov. (Lang, 1965b) for *A. intermixtus* (Willey, 1935) *sensu* Nicholls, 1941a.

Amphiascoides lancisetiger Lang, 1965b*Amphiascoides petkovskii* Lang, 1965b*Amphiascoides dimorphus* Lang, 1965b*Amphiascoides bulbiseta* Pallares, 1975e*Amphiascoides golikovi* (f) Chislenko, 1977*Amphiascoides koltuni* Chislenko, 1977*Amphiascoides paradebilis* Chislenko, 1978*Amphiascoides breviarticulatus* Kunz, 1983*Amphiascoides atopus* Lotufo & Fleeger, 1995*Species incerta**Amphiascoides* sp. (m) Becker & Schriever, 1979Genus *Paramphiascella* Lang, 1944

Key to the species: Marcotte, 1974.

Paramphiascella hispida (Brady, 1880)

Amendments: Chislenko, 1967.

Paramphiascella robinsoni (A. Scott, 1902)

Amendments: Pallares, 1968a.

Paramphiascella hyperborea (T. Scott, 1903)

Amendments: Chislenko, 1977.

Paramphiascella vararensis (T. Scott, 1903)

Synonym: *P. mediterranea* Lang *sensu* Vilela, 1965.

Amendments: Klie, 1942 (as *Amphiascus vararensis*); Klie, 1950; Pesta, 1959; Vilela, 1965 (as *Paramphiascella mediterranea*); Chislenko, 1967; Drzycimski, 1969; Ceccherelli & Rossin, 1979 (under the erroneous name *P. varasensis*).

Description of the male: Klie, 1950 and Noodt, 1958b.

*Species novae**Paramphiascella calcarifer* (Sewell, 1940)

Comb. nov. (Noodt, 1955d and Lang, 1965b) for *Amphiascus calcarifer* Sewell, 1940 (f. *major* and f. *minor*).

Paramphiascella pacifica Vervoort, 1962*Paramphiascella xiphophora* (m) Lang, 1965b*Paramphiascella bulbifer* (f) Guille & Soyer, 1966

P. bulbifer was described by myself under the same name and at about the same time from specimens collected off Marseille (Bodin, 1968a). However Guille & Soyer's 1966 paper has priority.

Paramphiascella delamarei (f) Guille & Soyer, 1966*Paramphiascella fulvofasciata* Rosenfield & Coull, 1974

Species initially described, including the copepodid stages, by Rosenfield (1967; thesis).

Amendments: Dahms, 1987 (without illustration).

Paramphiascella curtiseta (f) Chislenko, 1971*Paramphiascella sirbonica* Por, 1973*Paramphiascella coulli* Marcotte, 1974*Paramphiascella bodini* (m) Marcotte, 1974

Nom. nov. (Marcotte, 1974) for *P. (mediterranea?)* Lang *sensu* Bodin, 1964.

Synonym (?):? *Paramphiascella mediterranea* Lang *sensu* Wiborg, 1964 (after Marcotte, 1974).

Paramphiascella austroatlantica Pallares, 1982a*Species incertae**Paramphiascella robinsoni* (A. Scott, 1902)?

According to Noodt (1955d) and Lang (1965b), *Amphiascus* sp. Sewell (1940) possibly represents the male of this species. Marcotte (1974), however, considered Sewell's specimen as the male of *P. mediterranea* Lang, 1948.

Paramphiascella vararensis (T. Scott)? Pesta, 1959

The affinity of Pesta's specimens with *P. vararensis* was refuted by Lang (1965b), who was unable to clarify its systematic status.

? *Paramphiascella mediterranea* Lang, Wiborg, 1964*Paramphiascella? faurei* (f) Bodin, 1968b

Genus *Haloschizopera* Lang, 1944

Key to the species: Noodt, 1964.

Haloschizopera pygmaea (Norman & T. Scott, 1905)

Synonyms: *H. junodi* Lang, 1948 and *Haloschizopera* aff. *bulbifer* sensu Moore, 1979 (after Moore & O'Reilly, 1989).

Por (1964b) discussed the possible synonymy of *H. marmarae* Noodt (1955d) with *H. junodi*; but Moore & O'Reilly considered this synonymy unlikely and, thus, *H. marmarae* as a valid species.

Apostolov (1972) seemed to consider (without argumentation) *H. pauciseta* Por (1959) as a synonym of *H. junodi*; however these two species possess a different chaetotaxy, particularly on the distal segment of P₃ and P₄ Exp. This was confirmed by Moore & O'Reilly (1989). Thus *H. pauciseta* cannot be considered as a synonym of *H. pygmaea*.

Amendments: Por, 1964b (as *H. junodi*), but Moore & O'Reilly (1989) considered specimens examined by Por as 'incerta sedis'; Moore, 1976b and Apostolov & Marinov, 1988 (as *H. junodi*).

Description of the male: Klie, 1950 (as *H. junodi*) and Por, 1964a (as *H. marmarae*).

Haloschizopera exigua (Sars, 1906)

Redescription: Por, 1964b (after neotypes).

Haloschizopera bulbifera (Sars, 1911)

Amendments: Por, 1964b.

Redescription: Moore & O'Reilly, 1993.

Haloschizopera mathoi (Monard, 1935)

Synonym: *H. pontarchis* Por (1959, 1964a), after Moore & O'Reilly (1989).

Amendments: Klie, 1942 (as *Amphiascus mathoi*); Apostolov & Marinov, 1988 (as *H. pontarchis*).

Description of the male: Klie, 1942 (as *Amphiascus mathoi*).

Redescription: Griga, 1963.

*Species novae**Haloschizopera marmarae* (f) Noodt, 1955d*Haloschizopera pauciseta* (f) Por, 1959 and 1964a*Haloschizopera conspicua* (f) Por, 1964b*Haloschizopera minima* (f) Por, 1964b*Haloschizopera tenuipes* Noodt, 1964*Haloschizopera phyllura* Noodt, 1964*Haloschizopera aegyptica* Noodt, 1964

Noodt (1964) hesitated to allocate this species to the genus *Haloschizopera*, but Marinov (1973a) supported the designation to this genus.

Haloschizopera ruthorum Por 1967*Haloschizopera noodti* (f) Bodin, 1968b*Haloschizopera latisetifera* (f) Marinov, 1973a

Haloschizopera abyssi Becker, 1974

Haloschizopera lima (f) Becker, 1974

Haloschizopera bathyalis Schriever, 1984a

Haloschizopera apprisea Gee & Fleeger, 1990

Haloschizopera clotensis Moore & O'Reilly, 1993

Haloschizopera nuditerga Moore & O'Reilly, 1993

Haloschizopera lionensis Moore & O'Reilly, 1993

Species incerta

Haloschizopera cf. *junodi* (Monard), Arlt, 1983

Moore & O'Reilly (1989) assumed that the male found by Arlt could be an aberrant specimen.

Genus *Schizopera* Sars, 1905

Key to the species: Lang, 1965b (p. 324); Apostolov, 1973a.

Based on a detailed study of the genus, Wells & Rao (1976), and later on Apostolov (1982), distributed the species over three genera: *Eoschizopera* n. gen. (with subgenera *Eoschizopera* s. str. and *Praeoschizopera*), *Schizopera* (with subgenera *Schizopera* s. str. and *Neoschizopera*), and *Schizoperopsis* n. gen. (with subgenera *Schizoperopsis* s. str. and *Psammoschizoperopsis*). Mielke (1992a) discussed at length these groupings and rejected them from a phylogenetical point of view, but favoured the groupings as a tool to facilitate identification of the species. Within this context, I maintain the classification in the following presentation.

Subgenus *Schizopera* s. str. Apostolov, 1982

Schizopera (Sch.) *jugurtha* (Blanchard & Richard, 1891)

Amendments: Monchenko, 1967b; Borutzky, 1971; Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (Sch.) *jugurtha stephanidesi* Pesta, 1938

Amendments: Kunz, 1963b (who lowered the species *Sch. stephanidesi* Pesta to subspecific rank).

Schizopera (Sch.) *compacta* Lint, 1922

Amendments: Por, 1960a; Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (Sch.) *clandestina* (Klie, 1924)

Synonym: *Sch. subterranea* Lang, 1948 (after Chappuis, 1954d).

Amendments: Noodt, 1953; Apostolov, 1973a and 1973b; Arlt, 1983; Apostolov & Marinov, 1988.

Schizopera (Sch.) *neglecta* Akatova, 1935

Synonym: *Sch. grimalschii* Jakubisiak (after Monchenko, 1967b).

Amendments: Hensen, 1952; Por, 1964a; Apostolov, 1973a and 1973b (illustrations depicting the male P₅ and Enp. P₂ are quite different in the several descriptions); Apostolov & Marinov, 1988.

Redescription: Monchenko, 1967b.

Apostolov (1982) assembled in the subgenus *Schizopera* s. str. the following species (cf. Lang, 1948): *Schizopera longirostris* (Daday), *Sch. paradoxa* (Daday), *Sch. longicauda* Sars, *Sch. inopinata* Sars, *Sch. validor* Sars, *Sch. consimilis* Sars, *Sch. scalaris* Sars, *Sch. tobae* Chappuis, *Sch. tobae wolterecki* Brehm & Chappuis, *Sch. haitiana* Kiefer, *Sch. triacantha* Kiefer.

Species novae

Schizopera (Sch.) *akatovae* Borutzky, 1953

Schizopera (Sch.) *pontica* Chappuis & Serban, 1953

Amendments: Marinov, 1974b; Apostolov & Marinov, 1988.

Schizopera (Sch.) *brusinae* Petkovski, 1954

Amendments: Apostolov, 1973a; Marinov, 1974c; Kunz, 1975a; Apostolov & Marinov, 1988 (as *Sch.* (*Sch.*) *brucinae*).

Schizopera (Sch.) *langi* (f) Petkovski, 1954

Amendments: Apostolov, 1973a; Apostolov & Marinov, 1988.

Description of the male: Apostolov, 1973a.

Schizopera (Sch.) *parvula* (m) Noodt, 1955c

Schizopera (Sch.) *minuta* Noodt, 1955c

Schizopera (Sch.) *nana* Noodt, 1955c

Schizopera (Sch.) *vicina* (f) Herbst, 1960

Schizopera (Sch.) *noodti* Rouch, 1962

Schizopera (Sch.) *variseta* (f) Bozic, 1964a

Schizopera (Sch.) *baltica* Lang, 1965a

Synonyms: *Sch. clandestina* (Klie) *sensu* Noodt, 1955e (after Lang, 1965b).

Sch. clandestina (Klie) *brevicauda* Kiefer, 1965.

Schizopera (Sch.) *bozici* (f) Lang, 1965

Nom. nov. (Lang, 1965b) for *Sch. parvula* Bozic (1964a), this name being preoccupied by *Sch. parvula* Noodt (1955c).

Redescription: Bozic, 1969b.

Description of the male: Bozic, 1969b.

Schizopera (Sch.) *californica* Lang, 1965b

Schizopera (Sch.) *knabeni* Lang, 1965b

Amendments: Rosenfield, 1967; Fiers & Rutledge, 1990.

Schizopera (Sch.) *borutzkii* (f) Monchenko, 1967b

Description of the male: Monchenko & Polishchuk, 1969.

Schizopera (Sch.) *kunzi* (f) Apostolov, 1967

Amendments: Apostolov, 1972 and 1973a; Apostolov & Marinov, 1988.

Schizopera (Sch.) *taricheana* Por, 1968b

Schizopera (Sch.) *aralensis* Borutzky, 1971

Schizopera (Sch.) *reducta* Borutzky, 1971

Schizopera (Sch.) *carolinensis* Coull, 1971b.

Schizopera (Sch.) *anomala* Coull, 1971b

Schizopera (Sch.) *petkovskii* (f) Apostolov, 1971b

(Apostolov erroneously spelt the specific epitheton '*petkovski*').

Amendments: Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (Sch.) *tobae* Chappuis *cubana* Petkovski, 1973

Freshwater species.

Amendments: Morales *et al.*, 1996.

Schizopera (Sch.) *bradyi* (f) Soyer, 1975a

Schizopera (Sch.) *lindae* Apostolov & Pesce, 1987

Species found in freshwater.

Schizopera (Sch.) *lagrecai* Pesce, 1988

Brackish-water species.

Schizopera (Sch.) *pori* Jimenez Alvarez, 1988

Brackish-water species.

Schizopera (Sch.) *cicolanii* Galassi & Pesce, 1988

Species collected in an estuary.

Schizopera (Sch.) *dimentmani* Por, 1993

Schizopera (Sch.) *hawaiiensis* Kunz, 1995b

Schizopera (Sch.) *osana* Mielke, 1995b

Species incerta

Schizopera sp. Mielke, 1995b

Subgenus *Neoschizopera* Apostolov, 1982

Apostolov (1982) assembled the following species (see Lang, 1948) in this subgenus: *Schizopera unglata* Sars, *Sch. minuticornis* Sars, *Sch. spinulosa* Sars, *Sch. fimbriata* Sars, *Sch. rotundipes* Gurney.

Species novae

Schizopera (N.) *ornata* Noodt & Purasjoki, 1953

Amendments: Mielke, 1974.

Schizopera (N.) *meridionalis* Petkovski, 1954

This 'variety' of *Sch. ornata* Noodt & Purasjoki(1953) described by Petkovski was upgraded to specific rank by Noodt (1958a) and Lang (1965b).

Synonym: *Sch. inornata* Noodt, 1955e (after Noodt, 1958a and Lang, 1965b).

Amendments: Marinov, 1971; Mielke, 1974; Apostolov & Marinov, 1988.

Schizopera (N.) *meridionalis* Petkovski *listensis* Mielke, 1975

Schizopera (N.) *chaetosa* (m) Petkovski, 1954

Description of the female: Apostolov, 1971b.

Amendments: Apostolov, 1973a; Apostolov & Marinov, 1988.

Schizopera (N.) monardi (f) Petkovski, 1955b

Schizopera (N.) pratensis Noodt, 1958a

Schizopera (N.) lacusamari Por & Marcus, 1972

Schizopera (N.) arconae (f) Arlt, 1983

Schizopera (N.) giselae (f) Jimenez Alvarez, 1988

Species found in estuary.

Schizopera (N.) spinifer Wells & Rao, 1987

Genus *Eoschizopera* Wells & Rao, 1976

Genus created to unify some species displaying primitive characters. The genus was revised by Apostolov (1982) and subdivided in two subgenera.

Subgenus *Eoschizopera* Apostolov, 1982

Eoschizopera (E.) syltensis (Mielke, 1973)

Comb. nov. (Wells & Rao, 1976) for *Schizopera syltensis* Mielke, 1973. Type-species of the genus *Eoschizopera*.

Amendments (rectifications): Mielke, 1975 (as *Schizopera syltensis*).

Eoschizopera (E.) reducta Wells & Rao, 1976

Amendments: Kunz, 1983.

Eoschizopera (E.) chiloensis Mielke, 1992a

Eoschizopera (E.) nicoyana Mielke, 1995b

Subgenus *Praeoschizopera* Apostolov, 1982

Eoschizopera (P.) crassispinata (Chappuis, 1954)

Comb. nov. (Wells & Rao, 1976) for *Schizopera crassispinata* Chappuis, 1954b. Type-species of the subgenus *Praeoschizopera*, after Apostolov, 1982.

Amendments: Rao & Ganapati, 1969b (as *Schizopera crassispinata*).

Eoschizopera (P.) gligici (f) (Petkovski, 1957)

Comb. nov. (Wells & Rao, 1976) for *Schizopera gligici* Petkovski, 1957.

Amendments: Apostolov, 1973a (as *Schizopera gligici*) ; Apostolov & Marinov, 1988.

Description of the male: Michailova-Neikova, 1966 (as *Schizopera gligici*).

Eoschizopera (P.) indica (Rao & Ganapati, 1969)

Comb. nov. (Wells & Rao, 1976) for *Schizopera indica* Rao & Ganapati, 1969a.

Species incertae sedis

Eoschizopera (P.) marlieri (Rouch & Chappuis, 1960)

Comb. nov. (Wells & Rao, 1976) for *Schizopera marlieri* Rouch & Chappuis, 1960.

Schizopera issykkulica Mauyilova, 1966

Schizopera elatensis Kahan & Bar-El, 1982

Synonym: *Schizopera soyeri* Kunz, 1983 (after Kunz, 1995b).

Genus *Ialysus* Brian, 1927

Ialysus rufus Brian, 1927

Synonym: *Tydemanella rufus* Brian *sensu* Nicholls, 1941a (after Nicholls, 1941b).

Amendments: Nicholls, 1944.

Genus *Teissierella* Monard, 1935

This genus is still considered as '*incerta et incerta sedis*', after Lang, 1965b.

Species novae

Teissierella massiliensis Bodin, 1964

Teissierella pontica (f) Apostolov, 1968a

The generic name was erroneously spelt '*Teisseriella*' in Apostolov paper.

Genus *Parialysus* Nicholls, 1941b

Parialysus robustus (Nicholls, 1941)

Comb. nov. (Nicholls, 1941b) for *Tydemanella robusta* Nicholls, 1941a. Lang (1965b) considered the genus *Tydemanella* A. Scott too ill-defined and proposed to disregard it. However, Vervoort (1964) claimed to have found some specimens of *P. robustus*, which he considered as valid.

Amendments: Wells & Rao, 1987.

Species incertae

Parialysus investigatoris (Sewell, 1940)

Comb. nov. (Wells & Rao, 1987) for *Ialysus investigatoris* Sewell, 1940.

Parialysus proximus (m) (Sewell, 1940)

Comb. nov. (Wells & Rao, 1987) for *Ialysus proximus* Sewell, 1940.

About this species (not for *I. investigatoris* as claimed by Vervoort, 1964, p. 239), Nicholls (1945a, p. 15) assumed that Sewell interchanged the pereopods and that *I. proximus* probably was a representative of the genus *Parialysus* Nicholls.

Genus *Psammotopa* Pennak, 1942

Synonym: *Protoleptastacus* Noodt, 1952b (after Noodt, 1952b, p. 140).

This genus, initially attributed to the **Canthocamptidae** by its author, was transferred to the **Cylindropsyllidae** by Noodt (1952b, p. 140); but Geddes (1968e) demonstrated that it belongs to the **Diosaccidae**.

Key to the species: Noodt, 1955c.

***Psammotopa vulgaris* Pennak, 1942**

Amendments: Chappuis, 1954a.

Redescription: Masry, 1970; Lindgren, 1975.

***Psammotopa phyllosetosa* (Noodt, 1952)**

Comb. nov. (Noodt, 1952b and Lang, 1965b) for *Protoleptastacus phyllosetosus* Noodt, 1952b.

Amendments: Mielke, 1975.

***Psammotopa chappuisi* Noodt, 1955**

Nom. nov. (Noodt, 1955c) for *Ps. vulgaris* Pennak *sensu* Chappuis, 1954a.

***Psammotopa polyphylla* Noodt, 1955c**

***Psammotopa biarticulata* Mielke, 1990c**

***Psammotopa trisetosa* (f) Mielke, 1995a**

Genus *Cladorostrata* Shen & Tai, 1963

***Cladorostrata brevipoda* Shen & Tai, 1963**

***Cladorostrata longipoda* Shen & Tai, 1963**

Genus *Pholenota* Vervoort, 1964

This monotypic genus display characters of both **Laophontidae** and **Diosaccidae**. Therefore Vervoort took care to precise that the position of the genus *Pholenota* was only provisional. Also Lang (1965b) did not see to what family this new genus could be assigned. After examination of Vervoort's holotype, Huys (1990b) was convinced that this genus should be attributed to the **Diosaccidae**.

***Pholenota spatulifera* (f) Vervoort, 1964**

Redescription: Huys, 1990b.

Genus *Pseudostenhelio* Wells, 1967

Key to the species: Coull & Fleeger, 1977; Ranga Reddy, 1984b

Chaetotactic table: Coull & Fleeger, 1977.

***Pseudostenhelio prima* Wells, 1967**

***Pseudostenhelio secunda* (m) Wells, 1971**

Description of the female and redescription of the male: Ranga Reddy, 1984b.

***Pseudostenhelio wellsi* Coull & Fleeger, 1977**

Genus *Paramphiascoides* Wells, 1967

Paramphiascoides mixtus Wells, 1967

Genus *Actopsyllus* Wells, 1967

Actopsyllus longipes Wells, 1967

Genus *Schizoperoides* Por, 1968a

Schizoperoides expeditionis (f) Por, 1968a

Genus *Protopsammotopa* Geddes, 1968e

Protopsammotopa norvegica Geddes, 1968e

Protopsammotopa wilsoni Wells, 1977

Genus *Balucopsylla* Rao, 1972

Balucopsylla similis Rao, 1972

Balucopsylla triarticulata Wells & Rao, 1987

Amendments: Mielke, 1994b.

Genus *Helmutkunzia* Wells & Rao, 1976

Helmutkunzia hartmannorum (Kunz, 1971)

Comb. nov. (Wells & Rao, 1976) for *Actopsyllus hartmannorum* Kunz, 1971a.

Helmutkunzia variabilis Wells & Rao, 1987

Genus *Onychostenhelia* Itô, 1979b

Onychostenhelia falcifera Itô, 1979b

Genus *Miscegenus* Wells, Hicks & Coull, 1982

Genus close to *Paramphiascella*, *Amphiascoides* and *Paramphiascoides* after its authors and which resembles, in my opinion, closely the genus *Teissierella* Monard (particularly the P₅).

Miscegenus heretaunga Wells, Hicks & Coull, 1982

Genus *Schizoperopsis* Apostolov, 1982Subgenus *Schizoperopsis* Apostolov, 1982*Schizoperopsis* (Sch.) *arenicola* (Chappuis & Serban, 1953)

Comb. nov. (Apostolov, 1982) for *Schizopera arenicola* Chappuis & Serban, 1953.

Amendments: Apostolov, 1973a (as *Schizopera arenicola*) ; Apostolov & Marinov, 1988.

Schizoperopsis (Sch.) *varnensis* (f) (Apostolov, 1967)

Comb. nov. (Apostolov, 1982) for *Schizopera varnensis* Apostolov, 1967.

Synonym: *Schizopera arenicola* Chappuis & Serban *sensu* Marinov, 1971 (after Apostolov, 1973a).

Amendments: Apostolov & Marinov, 1988.

Schizoperopsis (Sch.) *nichollsi* (Soyer, 1975)

Comb. nov. (Apostolov, 1982) for *Schizopera nichollsi* Soyer, 1975a.

Subgenus *Psammoschizoperopsis* Apostolov, 1982*Schizoperopsis* (Ps.) *gauldi* (Chappuis & Rouch, 1961)

Comb. nov. (Apostolov, 1982) for *Schizopera gauldi* Chappuis & Rouch, 1961a.

Diosaccidae incerta sedis

Diosaccidae gen. et sp.? (m) Bodin, 1968b.

Fam. **MIRACIIDAE** Dana, 1846

The previous name of the family (Miracidae) was corrected by Huys & Böttger-Schnack (1994).

Genus *Miracia* Dana, 1846

Miracia efferata Dana, 1849

Redescription: Huys & Böttger-Schnack (1994).

Genus *Oculosetella* Dahl, 1895

Oculosetella gracilis (Dana, 1849)

Redescription: Huys & Böttger-Schnack (1994).

Genus *Macrosetella* A. Scott, 1909

Macrosetella gracilis (Dana, 1847)

Amendments: Carvalho, 1945, 1952a; Dahms, 1989.

Redescription: Huys & Böttger-Schnack (1994).

Genus **Distiocus* Huys & Böttger-Schnack, 1994

Distiocus minor (T. Scott, 1894)

Comb. nov. (Huys & Böttger-Schnack, 1994) for *Miracia minor* T. Scott, 1894.

Redescription: Huys & Böttger-Schnack (1994).

Fam. **METIDAE** Sars, 1910

Genus *Metis* Philippi, 1843

Metis ignea Philippi, 1843

Amendments: Vos, 1945; Pesta, 1959; Dussart, 1967; Apostolov & Marinov, 1988.

Metis holothuriae (Edwards, 1891)

Synonyms: *Metis jousseaumei* (Richard) f. *major* Sewell, 1940 and *Metis jousseaumei* (Richard) f. *minor* Sewell, 1940 (after Noodt, 1955a and Vervoort, 1964).

Amendments: Carvalho, 1952a (as *M. jousseaumei*); Candeias, 1959 (as *M. jousseaumei*); Marques, 1961; Yeatman, 1976.

Species et forma novae

Metis ignea Philippi *halmyricola* Marcus & Por, 1961

Metis galapagoensis Mielke, 1989c

This species was defined with reserve, pending upon clarification of the *Metis holothuriae*/*M. jousseaumei* 'complex'.

Metis reducta Fiers, 1992a

Species incerta

Metis sp. Mielke, 1989c

Brief description (chaetotaxy) of a single female, without illustration.

Genus *Laubieria* Soyer, 1966

Key to the species: Fiers, 1992a.

Laubieria corallicola (f) Soyer, 1966

Laubieria secunda (f) Wells, 1967

Laubieria tercera Fiers, 1992a

Fam. **AMEIRIDAE** Monard, 1927 (part.), Lang, 1936

The genera *Cancrincola* and *Antillesia* were transferred to the family **Cancrincolidae** by Fiers (1990b). The genus *Abyssameira* Itô is now considered as a synonym of *Argestes* Sars (**Argestidae**).

Key to the genera: Lang, 1965b (p. 339); Petkovski, 1976b.

Subfam. **Ameirinae** Lang, 1944Genus *Ameira* Boeck, 1865*Ameira longipes* Boeck, 1865

Synonym: *A. curviseta* Willey, 1929 (after Lang, 1965b, who placed this species in '*species incertae et incertae sedis*' in his 1948 monograph).

Amendments: Monk, 1941; Roe, 1958; Pesta, 1959; Chislenko, 1967; Mielke, 1974; Pallares, 1975e; Chislenko, 1977; Apostolov & Marinov, 1988.

Description of the male: Lang, 1965b, p. 340 to 343 (the male described by Sars (1907) is not the one of *A. longipes*).

Ameira minuta Boeck, 1865

Amendments: Chislenko, 1967.

Ameira parvula (Claus, 1866)

Cosmopolitan species often confounded with *A. longipes* Boeck, after Wells & Rao, 1987.

Synonym: *Ameira parvula* f. *tenuiseta* Willey (1929), after Wells & Rao, 1987.

Amendments: Steuer, 1943 (as *Ameira parvula* f. *tenuiseta*); Vos, 1945; Klie, 1950; Bozic, 1955; Pesta, 1959; Petkovski, 1964b; Vilela, 1965; Chislenko, 1967; Mielke, 1974 and 1975; Kunz, 1975b; Pallares, 1975e; Moore, 1976a; Apostolov, 1977 (as *Ameira parvula* f. *tenuiseta*); Chislenko, 1977; Wells & Rao, 1987; Apostolov & Marinov, 1988 (who distinguished the subspecies *tenuiseta* from the species *parvula*).

Redescription: Vervoort, 1962.

Ameira parvula f. *nana* Willey, 1935

Redescription: Dinet, 1971.

Ameira tenuicornis T. Scott, 1902

Description of the male: Wells, 1961.

Ameira pusilla T. Scott, 1903

Species '*incertae et incertae sedis*' for Lang, 1948.

Redescription of the female and description of the male: Bodin, 1979a.

Ameira tenella Sars, 1907

Amendments: Moore, 1976a; Kunz, 1983; Apostolov & Marinov, 1988.

Ameira scotti Sars, 1911

Amendments: Jakobi, 1954b; Bodin, 1964, 1970; Vilela, 1965; Chislenko, 1967 (?); Drzycimski, 1969; Apostolov & Marinov, 1988.

Ameira scotti var. *brevicornis* Monard, 1926

Amendments: Apostolov & Marinov, 1988.

Species novae

Ameira longicaudata Nicholls, 1940

Ameira divagans Nicholls, 1940

Redescription of the female and description of the male: Scheibel, 1972 and 1974 (from specimens of the Kiel Bay).

Ameira divagans f. *africana* Kunz, 1963a

Ameira divagans f. *pontica* (f) Marinov, 1973b

Amendments: Apostolov & Marinov, 1988.

Ameira spinipes Nicholls, 1940

The systematic position of this species is problematical, after Lang (1965b).

Ameira usitata Klie, 1950

Amendments: Kunz, 1975b.

Ameira hyalina (f) (Noodt, 1952)

Comb. nov. (Mielke, 1975) for *Psammameira hyalina* Noodt, 1952b.

Description of the male: Mielke, 1975.

Ameira brevipes (f) Kunz, 1954

Description of the male: Klie, 1950 (as *A. tenella* Sars), after Kunz (1954) and Noodt (1955d).

Amendments: Apostolov, 1977; Apostolov & Marinov, 1988.

Ameira brevipes pestae Petkovski, 1955

Nom. nov. (Lang, 1965b) for *A. pestae* Petkovski, 1955a.

Amendments: Marinov, 1971; Apostolov & Marinov, 1988.

Ameira brevipes f. *pontica* (f) Apostolov, 1969a

Amendments: Apostolov & Marinov, 1988.

Ameira reducta Petkovski, 1954

Ameira atlantica Noodt, 1958b

Species close to *A. reducta* Petkovski.

Ameira atlantica f. *mediterranea* Kunz, 1975a

Ameira longifurca Bodin, 1964

Moore (1976a) assumed that this species is a synonym of *A. tenella* Sars.

Ameira parasimulans Lang, 1965b

Ameira parvuloides Lang, 1965b

Species close to *A. parvula* (after Moore, 1976a).

Ameira gravellicola Guille & Soyer, 1966.

Ameira bengalensis (f) Rao & Ganapati, 1969a

Ameira lusitanica Galhano, 1970

Ameira intermedia (f) Galhano, 1970

Ameira listensis (f) Mielke, 1973

Description of the male: Mielke, 1975.

Ameira parascotti (f) Chislenko, 1977

Ameira bathyalis Becker & Schriever, 1979

Ameira faroensis (f) Schriever, 1982b

Ameira confluens Ranga Reddy, 1984a

Species incertae

Ameira marina (Jaschnov, 1935)

Comb. nov. (Lang, 1965b), with reserves, for *Nitocra marina* Jaschnov, 1935.

Ameira scotti ssp. *brasiliensis* Jakobi, 1954b

This 'subspecies' was considered questionable by Lang (1965b).

? *Ameira minuta* Boeck *sensu* Wiborg, 1964

Genus *Proameira* Lang, 1948

Proameira simplex (Norman & T. Scott, 1905)

Amendments: Guille & Soyer, 1966; Chislenko, 1967.

Description of the male: Chislenko, 1967.

Proameira dubia (Sars, 1920)

Amendments: Por, 1964a.

Proameira arenicola (Lang, 1935)

Description of the male: Klie, 1950.

Proameira hiddensoensis (Schäfer, 1936)

Amendments: Klie, 1950; Kunz, 1954.

Redescription: Pallares, 1982a.

Species novae

Proameira psammophila (f) Wells, 1963b

Description of the male: Geddes, 1968d.

Proameira signata Por, 1964b

Proameira echinipes Soyer, 1975c

Proameira thetiensis Pallares, 1982a.

Genus *Nitocra* Boeck, 1865

T.E. Bowman (1988) thought that we have to come back to the original spelling of the genus, *Nitokra*, which was followed by Morales *et al.* (1996); but Mielke (1993) proposed to maintain the spelling *Nitocra*, 'in keeping with the custom', which is recommended by the International Code of Zoological Nomenclature.

Key to the species from the Black Sea and Bulgaria: Apostolov, 1980a and 1988.

Nitocra typica Boeck, 1865

Synonym (?): *Ameira littoralis* Nicholls, 1940 (after Lang, 1965b).

Amendments: Veldre & Maesmits, 1956; Pesta, 1959; Apostolov, 1973b; Mielke, 1975; Apostolov & Marinov, 1988.

Nitocra spinipes Boeck, 1865

For this very variable species, Wells & Rao (1987) rejected the subspecies concept.

Synonyms: *N. parafragilis* Roe, 1959 and *N. fragilis* ssp. *paulistana* Jakobi, 1956 (after Lang, 1965b).

? *N. medusae* Humes, 1953 (after Lang, 1965b) (the species name is spelt *medusaea* by its author).

Nitocra spinipes orientalis Sewell, 1924 (after Wells & Rao, 1987).

Nitocra spinipes armata Lang, 1965b (after Wells & Rao, 1987).

Amendments: Veldre & Maesmits, 1956; Lang, 1965b; Tanaka & Hue, 1968; Por, 1968a (as *Nitocra spinipes orientalis*); Apostolov, 1972; Letova, 1982; Apostolov & Marinov, 1988; Morales *et al.*, 1996 (genus name spelt *Nitokra* by the latter).

Nitocra lacustris (Schmankevitch, 1875)

Amendments: Bozic, 1965; Dussart, 1967; Apostolov, 1973e; Apostolov & Marinov, 1988.

Nitocra hibernica (Brady, 1880)

Amendments: Noodt, 1954a; Dussart, 1967; Apostolov & Marinov, 1988.

Nitocra fragilis Sars, 1905

Amendments: Apostolov & Marinov, 1988.

Nitocra pusilla Sars, 1911

Description of the male: Roe, 1958.

Amendments: Apostolov & Marinov, 1988.

Nitocra divaricata Chappuis, 1923

Amendments: Apostolov & Marinov, 1988.

Redescription: Defaye, 1996.

Nitocra affinis Gurney, 1927

Amendments: Petkovski, 1954; Roe, 1958; Apostolov, 1973b; Apostolov & Marinov, 1988.

Nitocra minor Willey, 1930

Amendments: Por, 1964a.

Nitocra reducta (Schäfer, 1936)

Comb. nov. (Noodt, 1957 and Lang, 1965b) for *Nitocrella reducta* Schäfer, 1936 *sensu* Chappuis (1938) and Lang (1948).

Synonym: *Pseudameira kunzi* Petkovski, 1956 (after Noodt, 1957 and Lang, 1965b).

Redescription: Noodt, 1957.

Nitocra fallaciosa Klie, 1937

Synonym: (?) *N. psammophila* Noodt, 1952a (after Noodt, 1953 and Lang, 1965b).

Redescription: Noodt, 1953; Petkovski, 1964b.

Amendments: Apostolov, 1973e; Apostolov & Marinov, 1988.

*Species novae**Nitocra divaricata* Chappuis *caspica* Behning, 1936*Nitocra typica* Boeck *adriatica* Petkovski, 1954

Amendments: Apostolov & Marinov, 1988.

Nitocra cari Petkovski, 1954*Nitocra affinis* Gurney *rijekana* Petkovski, 1954

Amendments: Noodt, 1958b; Rao & Ganapati, 1969b.

Nitocra affinis californica Lang, 1965b

Amendments: Kunz, 1975b; Apostolov, 1980a; Apostolov & Marinov, 1988.

Nitocra affinis stygia Por, 1968a*Nitocra lacustris* (Schmankevitch) *sinoi* (m) Marcus & Por, 1961

Description of the female and redescription of the male: Petkovski, 1976a.

Amendments: Morales *et al.*, 1996 (generic name spelt as *Nitokra*).

Nitocra lacustris azorica Kunz, 1983*Nitocra lacustris pacifica* Yeatman, 1983

Amendments: Fiers, 1986f.

Nitocra lacustris colombianus Reid, 1988*Nitocra uenoi* Miura, 1962*Nitocra phreatica* Bozic, 1964a*Nitocra balnearia* Por, 1964d*Nitocra fallaciosa* Klie *baltica* Lang, 1965a*Nitocra minor* Willey *mozambicoe* Wells, 1967*Nitocra reducta* (Schäfer) *fluviatilis* Galhano, 1968*Nitocra elongata* Marcus, 1968*Nitocra reunionensis* Bozic, 1969b

Nitocra hamata (f) Bodin, 1970

Nitocra arctolongus Shen & Tai, 1973

Freshwater species.

Nitocra australis Soyer, 1975a

Nitocra delaruei Soyer, 1975a

Nitocra blochi Soyer, 1975a

Nitocra sewelli Gurney *husmanni* Kunz, 1976

Nitocra hibernica (Brady) *bulgarica* Apostolov, 1976

Amendments: Apostolov & Marinov, 1988.

Nitocra stygia (Apostolov, 1976)

Comb. nov. (Apostolov, 1980a) for *Nitocrella stygia* Apostolov, 1976.

Synonym: *Nitocra hibernica* (Brady) *sensu* Basamakov, 1976 (after Apostolov & Marinov, 1988).

Amendments: Apostolov & Marinov, 1988.

Nitocra mediterranea (Baird) *pontica* (f) Apostolov, 1980a

Amendments: Apostolov & Marinov, 1988.

Nitocra baltica (f) Arlt, 1983

Nitocra pseudospinipes Yeatman, 1983

Nitocra laingensis Fiers, 1986f

Nitocra quadriseta Wells & Rao, 1987

Nitocra sphaeromata Bowman, 1988

Bowman spelt the genus name *Nitokra*.

Nitocra bisetosa Mielke, 1993

Amendments: Mielke, 1994b.

Species incerta

Nitocra hyperidis Jakobi, 1956

This species was considered questionable by Lang (1965b, who spelt it *hyperides*) as the latter assumed that Jakobi confounded two species of the genera *Nitocra* and *Mesochra* Boeck, respectively.

Genus *Psyllocamptus* T. Scott, 1899

Key to the species: Lang, 1965b (p. 362); Ceccherelli, 1988.

Chaetotactic table of the species: Lindgren, 1975.

Subgenus *Psyllocamptus* s. str. Kunz, 1975b*Psyllocamptus (P.) minutus* Sars, 1911

Redescription of the male: Noodt, 1955d.

Amendments: Wells & McKenzie, 1973; Moore, 1976a (as *Ps. minutus minutus*).

Redescription: Vervoort, 1962.

*Species novae**Psyllocamptus (P.) minutus* Sars *gelatinosus* (Kunz, 1951)

Comb. nov. (Noodt, 1952b; Kunz, 1954 and Lang, 1965b for *Mesochrella gelatinosa* Kunz, 1951.

Psyllocamptus (P.) carolinensis Lindgren, 1975*Psyllocamptus (P.) eridani* Ceccherelli, 1988Subgenus *Langpsyllocamptus* Kunz, 1975b*Psyllocamptus (L.) triarticulatus* (f) Lang, 1965b*Psyllocamptus (L.) quinquiespinosus* Coull, 1970b*Psyllocamptus (L.) longisetosus* Kunz, 1975b*Psyllocamptus (L.) quadrospinosus* (f) Kunz, 1975b*Psyllocamptus (L.) fuegiensis* Pallares, 1982a

In the 1988 edition of this catalogue, I erroneously renamed this species as *Ps. pallaresi*.

Genus *Ameiropsis* Sars, 1907

Chaetotactic table of the species: Kunz, 1975b.

Ameiropsis brevicornis Sars, 1907

Description of the male: Klie, 1950.

Ameiropsis longicornis Sars, 1907

Description of the male: Klie, 1950.

Amendments: Por, 1964a.

Ameiropsis mixta Sars, 1907

Amendments: Roe, 1958.

Ameiropsis nobilis Sars, 1911

Description of the male: Bodin, 1964.

Ameiropsis minor (Sars, 1920)

Description of the male: Por, 1964b.

*Species novae**Ameiropsis reducta* Apostolov, 1973d

Amendments: Apostolov & Marinov, 1988.

Ameiropsis australis (f) Kunz, 1975b

Genus *Pseudameira* Sars, 1911

Pseudameira crassicornis Sars, 1911

Amendments: Por, 1964a; Moore, 1976a; Bodin, 1979a.

Description of the male: Moore, 1976a.

Species novae

Pseudameira birulai (f) Smirnov, 1946

Pseudameira breviseta (f) Klie, 1950

Pseudameira reducta Klie, 1950

Redescription: Wells, 1963b.

Pseudameira limicola Soyer, 1975c

Synonym: *Ameira limicola* Soyer, 1971.

Pseudameira perplexa Soyer, 1975c

Pseudameira mixta Sars *adriatica* (f) Apostolov & Petkovski, 1980

Pseudameira antennulata (f) Schrieffer, 1984a

Pseudameira trisetosa (f) Schrieffer, 1984

Pseudameira signyensis Gee & Fleeger, 1986

Species incerta

Pseudameira brevifurca (f) Shen & Bai, 1956

Species 'provisionally' proposed by the authors because of the loss of P₅, P₁ and A₂. Shen & Bai inexplicably placed *Ps. brevifurca* into the **Canthocamptidae**.

Genus *Leptomesochra* Sars, 1911

Key to the species: Soyer, 1966.

Leptomesochra macintoshi (T. & A. Scott, 1895)

Amendments: Mielke, 1975.

Redescription: Noodt, 1952b.

Species novae

Leptomesochra attenuata (Nicholls, 1940)

Comb. nov. (Lang, 1965b) for *Leptameira attenuata* Nicholls, 1940. The genus *Leptameira* was desolved into the genus *Leptomesochra* by Lang (1948), and the species *L. attenuata* (A. Scott) has been allocated to the new genus *Interleptomesochra* Lang, 1965b.

Synonym: *Leptomesochra nicholli* Noodt, 1955c.

Leptomesochra nasuta (f) Sewell, 1940

The genus *Leptomesochra* was placed in the **Canthocamptidae** by Sewell. This species seems close to *L. confluens* Sars, after Noodt, 1955c.

Leptomesochra hirsuta (f) Wiborg, 1964*Leptomesochra theodoridis* Soyer, 1966*Species incerta**Leptomesochra* sp.? (f) Bodin, 1964*Nomen nudum**Leptomesochra diazi* Kunz & Kunz, 1973.Genus *Nitocrella* Chappuis, 1923

A first revision of the genus was presented by Lang (1965b), who distributed the species over four distinct genera. Petkovski (1976b) compiled another revision of the genus *Nitocrella* and defined two more new genera: *Nitocrellopsis* and *Stygonitocrella*. In the genus *Nitocrella* s. str. he distinguished three species groups: *vasconica* - *chappuisi* - *hirta*. Species assigned to those related genera and to the species groups (all freshwater species) are to be consulted in the keys provided by Petkovski (1976b).

Key to the species: Pesce, 1984.

Key to the species of the *vasconica* group: Petkovski, 1976b; Coull & Bell, 1979; Pesce, 1984.

Key to the species of the *hirta* group: Petkovski, 1976b; Pesce, 1983a.

Nitocrella hirta Chappuis, 1923

Amendments: Apostolov, 1991.

*Species novae**Nitocrella unispinosa* Shen & Tai, 1973*Nitocrella hypogea* Shen & Tai, 1973

The two species above are freshwater species and were not included in the previous edition.

Nitocrella negreai (m) Petkovski, 1973*Nitocrella orghidani* Petkovski, 1973*Nitocrella juturna* Cottarelli, 1975*Nitocrella caraioni* Petkovski, 1976b*Nitocrella motasi* Petkovski, 1976b*Nitocrella cubanorum* Petkovski, 1976b*Nitocrella aestuarina* Coull & Bell, 1979*Nitocrella petkovskii* Pesce, 1980*Nitocrella paceae* Pesce, 1980*Nitocrella somalica* Dumont, 1981

Nitocrella achaiiae Pesce, 1981b

Nitocrella skyrensis Pesce, 1982

Nitocrella maggii (f) Pesce, 1983a

Nitocrella rhodiensis (f) Pesce, 1983b

Nitocrella morettii Pesce, 1984

Nitocrella fedelitae (f) Pesce, 1985

Nitocrella spinulosa Apostolov, 1991

Nitocrella beatricis Cottarelli & Bruno, 1993

Freshwater species.

Genus *Sarsameira* Wilson, 1924

Key to the species: Reidenauer & Thistle, 1983.

Chaetotactic table: Reidenauer & Thistle, 1983.

Synonym: *Pseudosarsameira* Lang, 1948, p. 802 (after Lang, 1965b, p. 337).

Sarsameira parva (Boeck, 1872)

Amendments: Bodin, 1968b.

Sarsameira longiremis (T. Scott, 1894)

Amendments: Bodin, 1970.

Description of the male: Drzycimski, 1969 (without illustration).

Sarsameira propinqua (T. Scott, 1902)

Description of the male: Drzycimski, 1969 (without illustration).

Sarsameira tenuipes (Thompson & A. Scott, 1903)

Comb. nov. (Lang, 1965b, p. 337) for *Ameira tenuipes* Thompson & A. Scott, 1903.

Sarsameira major (Sars, 1907)

Amendments: Chislenko, 1977.

Sarsameira giraulti Monard, 1935

Redescription: Wells, 1968.

Species novae

Sarsameira difficilis (f) (Smirnov, 1946)

Comb. nov. (Lang, 1965b) for *Parameira difficilis* Smirnov, 1946.

Sarsameira minor Wells, 1967

Sarsameira peresi (f) Bodin, 1970

Sarsameira longifurcata Becker, 1974

Sarsameira elegantula (m) Kunz, 1975b

Sarsameira knorri Reidenauer & Thistle, 1983

Species incertae

Sarsameira pendula (f) (Shen & Bai, 1956)

Comb. nov. (Lang, 1965b) for *Parameira pendula* Shen & Bai, 1956 (species proposed 'provisionally' by its authors because of the loss of the A₂, P₁ and P₅).

Sarsameira longiremis (f) (T. Scott)? Bodin, 1970

Genus *Sicameira* Klie, 1950

Sicameira gracilis (A. Scott, 1896)

Comb. nov. (Por, 1964b and Lang, 1965b) for *Ameira gracilis* A. Scott, 1896.

Redescription: Por, 1964b.

Species novae

Sicameira leptoderma Klie, 1950

Sicameira langi (f) Rao, 1972

Sicameira intermedia (f) Marinov, 1973b

Amendments: Apostolov & Marinov, 1988.

Genus *Psammameira* Noodt, 1952b

The type-species *Ps. hyalina* (Noodt, 1952b) belongs to the genus *Ameira*, after Mielke (1975), who designated as replacement type species:

Psammameira reducta (f) Wells, 1967

Species incerta

Psammameira grandis (Nicholls, 1940)

Comb. nov. (Wells, 1967) for *Ameira grandis* Nicholls, 1940.

Genus *Karllangia* Noodt, 1964

Chaetotactic table of the species: Kunz, 1975b.

Karllangia arenicola Noodt, 1964

Synonym: *Karllangia psammophila* Wells, 1967 (after Wells & Rao, 1987).

Karllangia tertia Kunz, 1975b

Karllangia arenicola bengalensis Wells & Rao, 1987

Karllangia pulchra Mielke, 1994c

Karllangia obscura Mielke, 1994c

Genus *Pseudoleptomesochra* Lang, 1965b

Pseudoleptomesochra typica Lang, 1965b

Genus *Pseudoleptomesochrella* Lang, 1965b

Key to the species: Lang, 1965b (p. 337); Petkovski, 1976b.

Chaetotactic table of the species: Lindgren, 1975.

Pseudoleptomesochrella halophila (Noodt, 1952)

Comb. nov. (Lang, 1965b) for *Nitocrella halophila* Noodt, 1952b; designated as type-species.

Synonyms: *Nitocrella halophila brevifurca* Wells, 1961 and *Pseudoleptomesochrella brevifurca* (Wells) *sensu* Lang, 1965b (after Mielke, 1975).

Pseudoleptomesochrella pontica Apostolov, 1969a (after Marinov, 1973b).

Amendments: Michailova-Neikova & Voinova-Stavreva, 1971 (as *Nitocrella halophila*); Apostolov, 1972 (as *Pseudoleptomesochrella pontica*); Apostolov & Marinov, 1988.

Pseudoleptomesochrella incerta (Chappuis & Delamare Deboutteville, 1956)

Provisional comb. nov. (Moore, 1975) for *Paraleptastacus? incertus* Chappuis & Delamare Deboutteville, 1956.

Pseudoleptomesochrella marina (m) (Chappuis & Rouch, 1961)

Comb. nov. (Lang, 1965b) for *Nitocrella marina* Chappuis & Rouch, 1961a.

Pseudoleptomesochrella bisetosa Lindgren, 1975

Pseudoleptomesochrella venezolana Mielke, 1995a

Genus *Interleptomesochra* Lang, 1965b

Key to the species: Lang, 1965b (p. 375).

Chaetotactic table of the species: Lindgren, 1975.

Interleptomesochra attenuata (A. Scott, 1896)

Comb. nov. (Lang, 1965b) for *Normanella attenuata* A. Scott, 1896.

Synonym: *Leptomesochra attenuata* (A. Scott) *sensu* Lang, 1948.

Interleptomesochra tenuicornis (Sars, 1911)

Comb. nov. (Lang, 1965b) for *Leptomesochra tenuicornis* Sars, 1911; designated as type-species.

Description of the male: Vilela, 1965 (as *Leptomesochra tenuicornis*).

Species novae

Interleptomesochra eulitoralis (Noodt, 1952)

Comb. nov. (Lang, 1965b) for *Leptomesochra eulitoralis* Noodt, 1952b.

Amendments: Mielke, 1975.

Interleptomesochra elongata (Bozic, 1955)

Comb. nov. (Lang, 1965b) for *Leptomesochra elongata* Bozic, 1955.

Interleptomesochra reducta (f) Lang, 1965

Interleptomesochra noodti Galhano, 1968

Interleptomesochra boguensis Lindgren, 1975

Genus *Parapseudoleptomesochra* Lang, 1965b

Key to the species: Petkovski, 1976b.

Parapseudoleptomesochra incerta (Chappuis, 1933)

Comb. nov. (Petkovski, 1976b) for *Nitocrella incerta* Chappuis, 1933.

Species novae

Parapseudoleptomesochra polychaeta (Noodt, 1952)

Comb. nov. (Petkovski, 1976b) for *Nitocrella polychaeta* Noodt, 1952b.

Amendments: Mielke, 1975 (as *Nitocrella polychaeta*).

Parapseudoleptomesochra trisetosa (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Ameira trisetosa* Krishnaswamy, 1957a.

Synonym: *Parapseudoleptomesochra trisetosa waltirensis* Rao & Ganapati, 1969b, after Mielke (1995a). The accuracy of Krishnaswamy's description is questionable according to Wells & Rao (1987).

Amendments: Wells & Rao, 1987.

Redescription: Mielke, 1995a

Parapseudoleptomesochra minoricae (Chappuis & Rouch, 1961)

Comb. nov. (Petkovski, 1976b) for *Nitocrella minoricae* Chappuis & Rouch, 1961b. Freshwater species.

Parapseudoleptomesochra iranica (Löffler, 1959)

Comb. nov. (Petkovski, 1976b) for *Nitocrella iranica* Löffler, 1959. Freshwater species.

Parapseudoleptomesochra morimotoi (Miura, 1962)

Comb. nov. (Petkovski, 1976b) for *Nitocrella morimotoi* Miura, 1962. Freshwater species.

Parapseudoleptomesochra pristina Wells, 1967

Parapseudoleptomesochra tridens (f) (Bozic, 1969)

Comb. nov. (Petkovski, 1976b) for *Nitocrella tridens* Bozic, 1969b.

Parapseudoleptomesochra botosaneanui (Petkovski, 1973)

Comb. nov. (Petkovski, 1976b) for *Nitocrella botosaneanui* Petkovski, 1973. Freshwater species.

Amendments: Morales *et al.*, 1996.

Parapseudoleptomesochra herirudensis (Sterba, 1973)

Comb. nov. (Petkovski, 1976b) for *Nitocrella herirudensis* Sterba, 1973. Freshwater species.

Parapseudoleptomesochra dubia Kunz, 1975b

Parapseudoleptomesochra italica Pesce & Petkovski, 1980

Parapseudoleptomesochra hellenica Pesce, 1981b

Parapseudoleptomesochra attirei Dumont, 1984

Parapseudoleptomesochra syriaca Cottarelli, Pucetti & Saporito, 1985

Parapseudoleptomesochra almohadensis Rouch, 1986

Parapseudoleptomesochra almoravidensis Rouch, 1986

Parapseudoleptomesochra baeticola Rouch, 1986

Parapseudoleptomesochra fernandezi Rouch, 1986

Parapseudoleptomesochra guadalhorcensis Rouch, 1986

Parapseudoleptomesochra ommeyyadensis Rouch, 1986

Parapseudoleptomesochra balnearia Rouch, 1986

Species incerta

Parapseudoleptomesochra (?) *reductus* Rao, 1972

Parapseudoleptomesochra sp. Pesce, Tetè & Simone, 1981

Parapseudoleptomesochra sp. Rouch, 1987

Genus *Praeleptomesochra* Lang, 1965b

Key to the species: Lang, 1965b (p. 371); Pesce, 1981a.

Praeleptomesochra africana (Kunz, 1951)

Comb. nov. (Lang, 1965b) for *Leptomesochra africana* Kunz, 1951; designated as type-species.

Amendments: Marinov, 1973b; Apostolov & Marinov, 1988.

Praeleptomesochra pygmaea (f) (Vervoort, 1964)

Comb. nov. (Lang, 1965b) for *Leptomesochra pygmaea* Vervoort, 1964.

Praeleptomesochra similis Lang, 1965b

Amendments: Marinov, 1973b.

Praeleptomesochra phreatica Pesce, 1981a

Genus *Parevansula* Guille & Soyer, 1966

Synonym: *Philoleptomesochra* Wells, 1967 (after Moore, 1976a).

Initially attributed to the **Cylindropsyllidae**, *Parevansula* was transferred to the **Ameiridae** by Wells (1967), which was confirmed by Moore (1976a).

Key to the species: Moore, 1976a.

Parevansula mediterranea Guille & Soyer, 1966

Parevansula reductiforma (Wells, 1967)

Comb. nov. (Moore, 1976a) for *Philoleptomesochra reductiforma* Wells, 1967.

Parevansula secunda (f) (Wells, 1967)

Comb. nov. (Moore, 1976a) for *Philoleptomesochra secunda* Wells, 1967.

Parevansula wellsi (f) (Marinov, 1973)

Comb. nov. (Moore, 1976a) for *Philoleptomesochra wellsi* Marinov, 1973b.

Amendments: Apostolov & Marinov, 1988.

Parevansula elegans (f) (Marinov, 1974)

Comb. nov. (Moore, 1976a) for *Philoleptomesochra elegans* Marinov, 1974a.

Parevansula vermiformis Moore, 1976a

Parevansula elongatus Wells & Rao, 1987

Genus *Paraleptomesochra* Wells, 1967

Paraleptomesochra minima Wells, 1967

Paraleptomesochra wellsi Rao, 1972

Genus *Parameiopsis* Becker, 1974

Parameiopsis peruanus (f) Becker, 1974

Parameiopsis rapiens (f) Becker, 1974

Parameiopsis magnus (f) Itô, 1983

Genus *Limameira* Soyer, 1975c

Limameira mediterranea Soyer, 1975c

Genus *Stygonitocrella* Petkovski, 1976b

Genus *Nitocrellopsis* Petkovski, 1976b

The two above mentioned genera contain freshwater species only and are listed herein as a matter of interest.

Genus *Ameiopsyllus* Bodin, 1979a

Ameiopsyllus arianus (Monard, 1928)

Comb. nov. (Bodin, 1979a) for *Ameiopsis ariana* Monard, 1928.

Synonym: *Ameira ariana* (Monard) *sensu* Steuer, 1943 and Lang, 1965b.

Species nova

Ameiopsyllus monardi (f) Bodin, 1979a

Designated as type-species.

Forma incerta

Ameiropsyllus arianus alexandrinus (Steuer, 1943)

Comb. nov. (Bodin, 1979a) for *Ameira ariana alexandrina* Steuer, 1943. This 'variety', defined upon an apparently abnormal specimen, has 'no raison d'être', after Lang (1965b).

Genus **Pseudoameiropsis* Pallares, 1982b

Pseudoameiropsis argentinus (f) Pallares, 1982b

Genus **Psammonitocrella* Rouch, 1992

Martinez Arbizu & Moura (1994) expressed doubts about the assignation of this genus to the **Ameiridae**.

Psammonitocrella boultoni Rouch, 1992

Freshwater species.

Psammonitocrella longifurcata Rouch, 1992

Freshwater species.

Genus **Psammoleptomesochra* Mielke, 1994c

Psammoleptomesochra australis Mielke, 1994c

Subfam. **Stenocopiinae** Lang, 1944

Genus *Stenocopia* Sars, 1907

Stenocopia longicaudata (T. Scott, 1892)

Amendments: Klie, 1950; Guille & Soyer, 1966.

Stenocopia spinosa (T. Scott, 1892)

Description of the male: Por, 1964b.

Species novae

Stenocopia longicaudata (T. Scott) *pontica* Griga, 1962

Stenocopia longiseta (m) Bozic, 1964a

Description of the female: Kunz, 1975b.

Stenocopia reducta Cottarelli, Saporito & Puccetti, 1986c

Species incerta

Stenocopia sp. (m) Pesta, 1959 (damaged specimen)

Genus *Malacopsyllus* Sars, 1911

Species novae

Malacopsyllus hades (m) Becker, 1974

Malacopsyllus hirsutus Itô, 1983

Genus *Anoplosoma* Sars, 1911

Anoplosoma sordidum Sars, 1911

Amendments: Por, 1964a.

Species nova

Anoplosoma stryx Por, 1964a

Ameiridae incerta sedis

Genus *Haifameira* Por, 1964a

Haifameira archibenthoica (m) Por, 1964a

The systematic position of this genus defined upon a single male specimen, is "impossible to establish", after Lang, 1965b (p. 334).

Fam. ***CANCRINCOLIDAE** Fiers, 1990b

Family defined by Fiers to assemble the genera *Cancrincola* Wilson and *Antillesia* Humes, previously attributed to the **Ameiridae**, and the new genus *Abscondicola*. All species of this family were found in the branchial cavities of terrestrial decapods.

Key to the genera: Fiers, 1990b.

Genus *Cancrincola* Wilson, 1913

Key to the species: Petkovski, 1978; Fiers, 1990b.

Cancrincola jamaicensis Wilson, 1913

Redescription: Humes, 1957a and 1958; Petkovski, 1978 (f).

Amendments: Fiers, 1990b: including copepodid development.

*Species novae**Cancrincola plumipes* Humes, 1941

Redescription: Humes, 1958.

Cancrincola abbreviata Humes, 1957a*Cancrincola longiseta* Humes, 1957a

Redescription: Fiers, 1990b, including copepodid development.

Genus *Antillesia* Humes, 1958

Key to the species: Petkovski, 1978.

Antillesia cardisomae Humes, 1958

Amendments: Fiers, 1990b.

Genus **Abscondicola* Fiers, 1990b*Abscondicola humesi* Fiers, 1990b

Copepodid development: Fiers, 1990b

Fam. **PARAMESOCHRIDAE** Lang, 1944

Synonym: Remaneidae Nicholls, 1945c (after Lang, 1948, p. 1621).

Revisions: Kunz, 1962; Lang, 1965b; Kunz, 1981; Huys, 1987a.

Key to the genera: Kunz, 1981.

Kunz (1981) subdivided the genus *Scottopsyllus* Kunz in three subgenera: *Scottopsyllus* s. str., *Intermedopsyllus* and *Wellsopsyllus*, and ranked the genus *Paraleptopsyllus* Lang as a subgenus in *Leptopsyllus* T. Scott.

In contrast to Lang (1965b), Becker & Kunz (1981) reinstated the original assignation of the genus *Oniscopsis* Chappuis to the **Tetragonicipitidae**.

Finally Huys (1987a) created two subfamilies:

- the Paramesochrinae, including the genera *Remanea* Klie, *Paramesochra* T. Scott, *Scottopsyllus* Kunz (with the three subgenera *Scottopsyllus*, *Intermedopsyllus* and *Wellsopsyllus*), *Kliopsyllus* Kunz, *Apodopsyllus* Kunz, *Leptopsyllus* T. Scott (with the two subgenera *Leptopsyllus* and *Paraleptopsyllus*), *Caligopsyllus* Kunz and *Kunzia* Wells;

- the Diarthrodellinae, including the genera *Tisbisoma* Bozic (initially allocated to the **Tisbidae**), *Diarthrodella* Klie and *Rossopsyllus* Soyer.

Subfam. **Paramesochrinae** Huys, 1987a

Genus *Paramesochra* T. Scott, 1892

Key to the species: Kunz, 1981; Huys, 1987a.

Several species previously assigned to the genus were transferred, the genus assembles now the following species:

Paramesochra dubia T. Scott, 1892

Paramesochra acutata Klie, 1935

Amendments: Mielke, 1975.

Paramesochra pterocaudata (f) Kunz, 1936

Paramesochra similis Kunz, 1936

Amendments: Apostolov & Marinov, 1988.

Paramesochra helgolandica Kunz, 1936

Amendments: Marinov, 1971; Apostolov, 1972 and 1973b; Apostolov & Marinov, 1988.

Species novae

Paramesochra longicaudata Nicholls, 1945c

Amendments: Noodt, 1964.

Paramesochra ornata (f) Krishnaswamy, 1957b

Paramesochra psammophila Noodt, 1964

Paramesochra psammobionta Noodt, 1964

Paramesochra denticulata Rao & Ganapati, 1969a

Paramesochra brevifurca s. str. (f) Galhano, 1970

This species, considered questionable by Kunz (1981), was divided in two subspecies by Huys (1987a).

Paramesochra brevifurca mediterranea Huys, 1987a

Synonym: *Paramesochra brevifurca* Galhano *sensu* Cottarelli (1971c), after Huys (1987a).

Amendments: Cottarelli, 1971c (as *Paramesochra brevifurca*).

Paramesochra acutata Klie *hawaiiensis* Kunz, 1981

Paramesochra borealis Geddes, 1981a

Paramesochra helgolandica galapagoensis Mielke, 1984a

Paramesochra unaspina Mielke, 1984a

Paramesochra kunzi Mielke, 1984b

Paramesochra mielkei Huys, 1987a

Synonym: *Paramesochra* sp. (f) Mielke (1975), after Huys, 1987a.

Paramesochra australis Mielke, 1994c

Species incerta

Paramesochra (?) *helgolandica* Kunz *sensu* Mielke, 1975.

Genus *Leptopsyllus* T. Scott, 1894

Subgenus *Leptopsyllus* Kunz, 1981

Key to the species: Bodin & Jackson, 1987.

Leptopsyllus (L.) *typicus* (f) T. Scott, 1894

Leptopsyllus (L.) *reductus* (f) Lang, 1948

Description of the male: Por, 1964b.

Species novae

Leptopsyllus (L.) *paratypicus* (m) Nicholls, 1939

Leptopsyllus (L.) *harveyi* (f) Wells, 1963a

Redescription of the female and description of the male: Wells, 1967.

Leptopsyllus (L.) *elongatus* (m) Drzycimski, 1967b

Leptopsyllus (L.) *abyssalis* (f) Becker, Noodt & Schriever, 1979

Leptopsyllus (L.) *dubaty* Soyer, 1975a

Leptopsyllus (L.) *punctatus* Mielke, 1984a

Leptopsyllus (L.) *platyspinosus* Mielke, 1984a

Leptopsyllus (L.) celticus Bodin & Jackson, 1987

Subgenus *Paraleptopsyllus* Lang, 1944

Thus far, this subgenus is monospecific.

Leptopsyllus (P.) arcticus (f) (Lang, 1936)

Synonym: *Paraleptopsyllus arcticus* (Lang, 1948).

Genus *Remanea* Klie, 1929

Remanea arenicola Klie, 1929

Amendments: Nicholls, 1945c; Bozic, 1955; Mielke, 1975; Arlt, 1983.

Species nova

Remanea plumosa (f) Pennak, 1942

Genus *Apodopsyllus* Kunz, 1962

Revision and Key to the species: Lang, 1965b (p. 382); Coull & Hogue, 1978.

Apodopsyllus spinipes (Nicholls, 1939)

Comb. nov. (Kunz, 1962) for *Leptopsyllus spinipes* Nicholls, 1939.

Apodopsyllus littoralis (Nicholls, 1939)

Comb. nov. (Kunz, 1962) for *Leptopsyllus littoralis* Nicholls, 1939.

Amendments: Wells, 1961 (as *Leptopsyllus littoralis*).

Apodopsyllus madrasensis (f) (Krishnaswamy, 1951)

Comb. nov. (Lang, 1965b) for *Leptopsyllus madrasensis* Krishnaswamy, 1951b.

Amendments and description of the male: Wells & Rao, 1987.

Apodopsyllus arenicolus (f) (Chappuis, 1954)

Comb. nov. (Kunz, 1962) for *Leptopsyllus arenicola* Chappuis, 1954d.

Redescription of the female and description of the male: Bodin, 1979a.

Apodopsyllus reductus (m) (Petkovski, 1955)

Comb. nov. (Kunz, 1962) for *Leptopsyllus reductus* Petkovski, 1955b.

Synonyms: *Leptopsyllus perplexus* Wells, 1963a

Leptopsyllus petkovskii Noodt, 1964.

Apodopsyllus adaptatus (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Leptopsyllus adaptatus* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Leptopsyllus adaptatus*).

Apodopsyllus depressus (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Leptopsyllus depressus* Krishnaswamy, 1957b.

Apodopsyllus africanus Kunz, 1962

Apodopsyllus africanus listensis Mielke, 1975

Apodopsyllus schulzi (Noodt, 1964)

Comb. nov. (Lang, 1965b) for *Leptopsyllus schulzi* Noodt, 1964.

Apodopsyllus vermiculiformis Lang, 1965b

Amendments: Coull & Hogue, 1978.

Apodopsyllus camptus Wells, 1971

Amendments: Wells & Rao, 1987.

Apodopsyllus lynceorum Cottarelli, 1971c

Apodopsyllus unguiformis Coull & Hogue, 1978

Apodopsyllus bermudensis Coull & Hogue, 1978

Synonym: *A. africanus* Kunz *sensu* Coull & Herman (1969), Coull (1970b), Wieser *et al.* (1974) and Wieser (1975).

Apodopsyllus arcuatus Mielke, 1984a

Apodopsyllus panamensis Mielke, 1984b

Apodopsyllus aberrans (f) Mielke, 1984b

This species should be allocated to a new genus, after Huys, 1988e.

Apodopsyllus biarticulatus Cottarelli & Altamura, 1986

Apodopsyllus chilensis Mielke, 1987b

Apodopsyllus cubensis Mielke, 1988

Apodopsyllus melitae Kunz, 1992

Genus *Kliopsyllus* Kunz, 1962

Synonyms: *Klieopsyllus* Kunz *sensu* Becker, 1972

Krishnapsyllus Kunz, 1974 (after Wells, Kunz & Rao, 1975).

Key to the species: Kunz, 1981.

Kliopsyllus holsaticus s. str. (Klie, 1929)

Comb. nov. (Kunz, 1962) for *Paramesochra holsatica* Klie, 1929.

Synonym: *Paramesochra pygmaea* Nicholls, 1939 (after Kunz, 1962).

Amendments: Scheibel, 1972; Mielke, 1975; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Redescription: Kunz, 1981.

Kliopsyllus holsaticus varians (Kunz, 1951)

Comb. nov. (Kunz, 1962) for *Paramesochra holsatica varians* Kunz, 1951.

Kliopsyllus holsaticus longicaudatus Galhano, 1970

***Kliopsyllus coelebs* (m) (Monard, 1935)**

Comb. nov. (Kunz, 1962) for *Paramesochra coelebs* (Monard) *sensu* Lang, 1948.

Description of the female: Pesta, 1959 (as *Paramesochra coelebs*).

Amendments: Pesta, 1959 and Wells, 1963a (as *Paramesochra coelebs*).

***Kliopsyllus constrictus* s. str. (Nicholls, 1935)**

Comb. nov. (Kunz, 1962) for *Paramesochra constricta* (Nicholls) *sensu* Lang, 1948.

Amendments: Chappuis, 1954d (as *Paramesochra constricta*); Marinov, 1971; Apostolov & Marinov, 1988.

***Kliopsyllus constrictus orotavae* (f) (Noodt, 1958)**

Comb. nov. (Kunz, 1962) for *Paramesochra orotavae* Noodt, 1958b.

Amendments and description of the male: Rao & Ganapati, 1969b (as *Paramesochra constricta orotavae*).

Redescription: Masry, 1970.

***Kliopsyllus constrictus pacificus* Mielke, 1984b**

Amendments: Mielke, 1987b.

***Kliopsyllus major* (Nicholls, 1939)**

Comb. nov. (Kunz, 1962) for *Paramesochra major* Nicholls, 1939.

***Kliopsyllus longisetosus* (f) (Krishnaswamy, 1951)**

Comb. nov. (Lang, 1965b) for *Paramesochra longisetosa* Krishnaswamy, 1951b.

Synonym: *Krishnapsyllus longisetosus* (Krishnaswamy) *sensu* Kunz, 1974 (after Wells, Kunz & Rao, 1975).

Description of the male: Krishnaswamy, 1957b (as *Paramesochra longisetosa*).

***Kliopsyllus enalius* (f) (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Paramesochra enalia* Krishnaswamy, 1957b.

***Kliopsyllus pseudogracilis* (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Emertonia pseudogracilis* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Paramesochra pseudogracilis*).

***Kliopsyllus minutus* (f) (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Emertonia minuta* Krishnaswamy, 1957b.

***Kliopsyllus capensis* (Krishnaswamy, 1957)**

Comb. nov. (Lang, 1965b) for *Emertonia capensis* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Paramesochra capensis*).

***Kliopsyllus ponticus* (f) (Serban, 1959)**

Comb. nov. (Bodin, 1967) for *Paramesochra pontica* Serban, 1959.

Redescription: Serban, 1968 (as *Paramesochra pontica* Serban).

Kliopsyllus perharidiensis (Wells, 1963)

Comb. nov. (Bodin, 1967) for *Paramesochra perharidiensis* Wells, 1963a. Resembling very closely *K. holsaticus* s. str., this species was considered valid by Kunz (1971a).

Synonym: *Paramesochra coelebs* (Monard)? *sensu* Bozic, 1953 (after Wells, 1963a and Kunz, 1971a).

Amendments: Kunz, 1971a.

Kliopsyllus idiotes Wells, 1967*Kliopsyllus masryi* Bodin, 1979a

Synonym: *K. minutus* Masry, 1970 (this name being preoccupied by *K. minutus* (Krishnaswamy)).

Amendments: Cottarelli, 1971c (as *K. minutus*).

Kliopsyllus furcavaricatus (Kunz, 1974)

Comb. nov. (Wells, Kunz & Rao, 1975) for *Krishnapsyllus furcavaricatus* Kunz, 1974.

Kliopsyllus spiniger Wells, Kunz & Rao, 1975

Redescription: Mielke, 1984a (with reserves).

Kliopsyllus spiniger ornatus Kunz, 1981*Kliopsyllus insularis* Kunz, 1981*Kliopsyllus debilis* (f) Kunz, 1981*Kliopsyllus californicus* Kunz, 1981*Kliopsyllus atlanticus* Kunz, 1983*Kliopsyllus miguelensis* (m) Kunz, 1983*Kliopsyllus regulexstans* Mielke, 1984a

Amendments: Mielke, 1984b.

Kliopsyllus similis Mielke, 1984a

Redescription: Mielke, 1984b.

Kliopsyllus unguiseta Mielke, 1984a*Kliopsyllus panamensis* Mielke, 1984b*Kliopsyllus chilensis* Mielke, 1985b*Kliopsyllus acutifurcatus* Mielke, 1985b*Species incertae et incertae sedis*

The four following species are probably synonyms of *K. holsaticus*, after Wells & Rao, 1987, who consider the subspecies of *K. holsaticus* of having little significance:

Kliopsyllus arenicolus (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Paramesochra arenicola* Krishnaswamy, 1957b.

Kliopsyllus wilsoni (f) (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Paramesochra wilsoni* Krishnaswamy, 1957b.

Amendments: Rao & Ganapati, 1969b (as *Paramesochra wilsoni*).

Kliopsyllus longifurcatus Scheibel, 1975

Kliopsyllus paraholsaticus Mielke, 1975

The systematic position of the two species below is still uncertain:

Kliopsyllus gracilis (Wilson, 1932)

Kliopsyllus laurenticus (Nicholls, 1939)

Amendments: Wells, 1963a (as *Paramesochra laurentica*).

Kunz (1962 and 1981) advanced quite some doubts about the assignation of *Emertonia gracilis* C.B. Wilson and *Paramesochra laurentica* Nicholls to the genus *Kliopsyllus*.

Genus *Scottopsyllus* Kunz, 1962

This genus has been divided in three subgenera (Kunz, 1981): *Scottopsyllus* s. str., *Intermedopsyllus* Kunz (1962) and *Wellsopsyllus* Kunz (1981).

Subgenus *Scottopsyllus* Kunz, 1962

Key to the species: Kunz, 1962; Lang, 1965b (p. 378)

Scottopsyllus (Sc.) *minor* (T. & A. Scott, 1895)

Comb. nov. (Kunz, 1962, 1981) for *Leptopsyllus minor* T. & A. Scott, 1895.

Amendments: Mielke, 1975; Apostolov & Marinov, 1988.

Scottopsyllus (Sc.) *robertsoni* (T. & A. Scott, 1895)

Comb. nov. (Kunz, 1962, 1981) for *Leptopsyllus robertsoni* T. & A. Scott, 1895.

Amendments: Apostolov, 1972; Apostolov & Marinov, 1988.

Scottopsyllus (Sc.) *herdmani* (Thomson & A. Scott, 1899)

Comb. nov. (Kunz, 1962, 1981) for *Leptopsyllus herdmani* Thomson & A. Scott, 1899.

Amendments: Marinov, 1971 (who misspelt the generic name '*Scotopsyllus*'); Apostolov, 1972; Mielke, 1975; Letova, 1982; Apostolov & Marinov, 1988.

Scottopsyllus (Sc.) *pararobertsoni* Lang, 1965b

Scottopsyllus (Sc.) *langi* Mielke, 1984a

Synonym: *Scottopsyllus robertsoni* (T. & A. Scott) *sensu* Marinov, 1971 (with generic name '*Scotopsyllus*').

Amendments: Marinov, 1971 (as *Sc. robertsoni*).

Scottopsyllus (Sc.) *langi continentalis* Kunz, 1992

Subgenus *Intermedopsyllus* Kunz, 1962

Key to the species: Kunz, 1962.

Scottopsyllus (I.) *intermedius* (T. & A. Scott, 1895)

Comb. nov. (Kunz, 1962, 1981) for *Paramesochra intermedia* (T. & A. Scott) *sensu* Lang, 1948.

Synonym: *Intermedopsyllus intermedius* (T. & A. Scott).

Amendments: Mielke, 1975; Apostolov & Marinov, 1988; Kunz, 1992.

Scottopsyllus (I.) minutus (f) (Nicholls, 1939)

Comb. nov. (Kunz, 1962, 1981) for *Paramesochra minuta* Nicholls, 1939.

Synonym: *Intermedopsyllus minutus* (Nicholls).

Species incerta sedis

Scottopsyllus (? *I.*) *smirnovi* Kunz, 1992

Subgenus *Wellsopsyllus* Kunz, 1981

Scottopsyllus (W.) gigas (m) (Wells, 1965)

Comb. nov. (Kunz, 1981) for *Paramesochra gigas* Wells, 1965b.

Synonym: *Kliopsyllus gigas* (Wells).

Scottopsyllus (W.) runtzi (Soyer, 1975)

Comb. nov. (Kunz, 1981) for *Kliopsyllus runtzi* Soyer, 1975a.

Scottopsyllus (W.) abyssalis (Becker, Noodt & Schriever, 1979)

Comb. nov. (Kunz, 1981) for *Kliopsyllus abyssalis* Becker, Noodt & Schriever, 1979.

Species incerta

Scottopsyllus aff. *minor* (T. & A. Scott) (f) de Kunz, 1981

Genus *Kunzia* Wells, 1967

Kunzia epacra Wells, 1967

Kunzia minutissima Wells, 1967

Kunzia bispinosa (m) Kunz, 1974

Genus *Caligopsyllus* Kunz, 1975b

After Huys (1988e), this genus is more close to *Apodopsyllus* Kunz than to *Kliopsyllus* Kunz.

Caligopsyllus primus Kunz, 1975b

Redescription: Huys, 1988e.

Genus **Biuncus* Huys, 1996

Nom. nov. (Huys, 1996a) for *Singularia* Huys, 1995a (name preoccupied for a lepidopteran genus).

Biuncus ingens (m) Huys, 1996

Nom. nov. (Huys, 1996a) for *Singularia ingens* Huys, 1995a.

Genus **Meiopsyllus* Cottarelli & Forniz, 1994

Meiopsyllus marinae Cottarelli & Forniz, 1994

Subfam. **Diarthrodellinae** Huys, 1987aGenus *Diarthrodella* Klie, 1949

This genus was initially placed in the **Thalestridae** but was allocated to the **Paramesochridae** by Kunz (1954).

Key to the species: Kunz, 1981, 1983.

Synonym: *Idyanthopsis* Bocquet & Bozic, 1955 (after Kunz, 1962 and 1981); but Bozic (1964b) considered the problem as still unsolved. The genus *Idyanthopsis* was assigned to the **Tisbidae** by its authors.

Diarthrodella orbiculata Klie, 1949

Diarthrodella secunda (f) Kunz, 1954

Amendments and description of the male: Mielke, 1975.

Diarthrodella secunda pacifica (f) Kunz, 1981

Diarthrodella psammophila (Bocquet & Bozic, 1955)

Comb. nov. (Kunz, 1981) for *Idyanthopsis psammophila* Bocquet & Bozic, 1955. Initially Kunz (1962) considered this species as a synonym of *D. orbiculata*, but Bozic (1964b) supported an opposite opinion.

Diarthrodella parorbiculata (f) Wells, 1963b

Diarthrodella parorbiculata pacifica (f) Mielke, 1984a

Diarthrodella convexa Kunz, 1981, 1983

Diarthrodella lancifera Kunz, 1981, 1983

Kunz (1981) just named the two species above, but omitted a description.

Diarthrodella neotropica Mielke, 1984a

Diarthrodella galapagoensis Mielke, 1984a

Diarthrodella chilensis Mielke, 1985a

Genus *Tisbisoma* Bozic, 1964b

After Bozic (1964b), the genus must be placed between the genera *Idyanthopsis* Bocquet & Bozic and *Tisbe* Lilljeborg. However, Bozic himself stressed that the systematic position of the genus *Tisbisoma* remained uncertain. Kunz (1981) and Huys (1987a) allocated it to the **Paramesochridae** (Diarthrodellinae).

Tisbisoma spinisetum Bozic, 1964b

Tisbisoma triarticulatum Wells, 1967

Amendments: Wells & Rao, 1987.

Genus *Rossopsyllus* Soyer, 1975a

Rossopsyllus kerguelenensis Soyer, 1975a

"La position systématique de *R. kerguelenensis* est délicate à établir car cette forme présente des affinités avec certains **Paramesochridae**, en particulier avec *Remanea* Klie et *Diarthrodella* Klie, et deux genres décrits plus récemment : *Idyanthopsis* Bocquet & Bozic et *Tisbisoma* Bozic, proches de certains **Tisbidae** et plus spécialement d'*Idyanthinae*" (Soyer, 1975a).

Rossopsyllus kerguelenensis quellonensis Mielke, 1985a

Rossopsyllus obscurus (f) Cottarelli & Baldari, 1987b

Fam. **TETRAGONICIPITIDAE** Lang, 1944

The ending of the family name, previously spelt *Tetragonicepsidae*, was corrected by Wells, 1967.

Synonym: *Pteropsyllidae* Nicholls, 1944 (after Lang, 1948, p. 1621).

Revisions with tables, keys to genera and species: Lang, 1965b (p. 386); Coull, 1973e; Kunz, 1984c; Fiers, 1995. After Becker & Kunz (1981), the genus *Oniscopsis* Chappuis must be definitely placed in this family. Although with reserves, Lang (1965b) transferred the genus *Laophontella* from the **Laophontidae** to the present family, which was confirmed on by several authors, later on. Kunz (1984c) defined different species groups within each genus in his phylogenetic analysis of this family.

The systematic position of the genus *Pyrocletodes* Coull remains unresolved and, as such, this genus is considered as '*genus incerta sedis*' in the Harpacticoida.

Key to the genera: Huys, 1995b; Fiers, 1995.

Genus *Tetragoniceps* Brady, 1880

Synonym: *Fearia* Coull (1971b), after Kunz, 1984c.

Key to the species: Coull, 1973e.

Tetragoniceps malleolatus Brady, 1880

Amendments: Bodin, 1964 and 1970.

*Species novae**Tetragoniceps truncata* (f) Nicholls, 1940*Tetragoniceps longicaudata* Nicholls, 1940*Tetragoniceps arenicolus* (f) Krishnaswamy, 1957b*Tetragoniceps bergensis* Por, 1965b

Amendments: Drzycimski, 1969.

Tetragoniceps brownei Wells, 1967

Name misspelt *browni* in Kunz, 1984c (the species was dedicated to Mr. E.T. Browne).

Tetragoniceps bookhouti Coull, 1971b*Tetragoniceps prima* (Coull, 1971)

Comb. nov. (Kunz, 1984c) for *Fearia prima* Coull, 1971b.

Tetragoniceps unguis Wells & Rao, 1987*Tetragoniceps galapagoensis* Mielke, 1989b*Nomen nudum**Tetragoniceps profundus* Por, 1965a

Genus *Phyllopodopsyllus* T. Scott, 1906

Key to the species: Lang, 1965b (p. 388); Coull, 1973e.

Chaetotactic table of the species: Coull, 1969a; Kunz, 1984c. Kunz subdivided the genus in several species groups based on the shape of antennulae and chaetotaxy. Fiers (1995) criticized the systematical value of this subdivision which is as such not listed here.

Synonym: *Paraphyllopodopsyllus* Lang, 1944 (after Lang, 1965b).

Phyllopodopsyllus bradyi (T. Scott, 1892)

Amendments: Klie, 1950.

Phyllopodopsyllus furciger Sars, 1907

Amendments and description of the male: Bodin, 1964; Por, 1964a; Kunz, 1995a.

Redescription: Mielke, 1989b.

Phyllopodopsyllus longicaudatus A. Scott, 1909

Description of the female: Krishnaswamy (1957b), who described only the P₅. Although he found four specimens, Wells (1967) did not ammended the description.

Phyllopodopsyllus mossmani T. Scott, 1912

Synonyms: *Paraphyllopodopsyllus mossmani* (T. Scott) *sensu* Lang, 1948.

Paraphyllopodopsyllus trichophorus Kunz, 1951 (after Kunz, 1963a and Lang, 1965b).

Redescription: Pallares, 1982a.

Phyllopodopsyllus mossmani chiloensis Mielke, 1992a

Phyllopodopsyllus paramossmani Lang, 1934

Synonym: *Paraphyllopodopsyllus paramossmani* (Lang) *sensu* Lang, 1948.

Phyllopodopsyllus berrieri Monard, 1936

Synonym: *Paraphyllopodopsyllus berrieri* (Monard) *sensu* Lang, 1948.

Description of the male: Pesta, 1959 (as *Paraphyllopodopsyllus berrieri*).

Amendments: Klie, 1941d; Kunz, 1983.

Species novae

Phyllopodopsyllus aegypticus (f) Nicholls, 1944

Synonym: *Paraphyllopodopsyllus aegypticus* (Nicholls) *sensu* Vervoort, 1964.

Amendments: Wells & Rao, 1987.

Phyllopodopsyllus xenus (f) (Kunz, 1951)

Synonym: *Paraphyllopodopsyllus xenus* Kunz.

Description of the male: Kunz, 1995a.

Phyllopodopsyllus longipalpatus (f) (Chappuis, 1954d)

Synonym: *Paraphyllopodopsyllus longipalpatus* Chappuis.

Description of the male: Chappuis, 1954b (who misspelt the genus name as *Paraphyllopsyllus* and *Paraphyllodopsyllus*).

Amendments: Kunz, 1984a; Wells & Rao, 1987.

Phyllopodopsyllus hibernicus (f) (Roe, 1955)

Synonym: *Paraphyllopodopsyllus hibernicus* Roe.

Phyllopodopsyllus hardingi (Roe, 1955)

Synonym: *Paraphyllopodopsyllus hardingi* Roe.

Phyllopodopsyllus briani Petkovski, 1955a

Amendments: Marinov, 1971; Apostolov, 1973b; Kunz, 1975a and 1984a; Apostolov & Marinov, 1988.

Phyllopodopsyllus thiebaudi Petkovski, 1955a

Synonyms: *Paraphyllopodopsyllus intermedius* Noodt, 1955d (after Lang, 1965b).

Phyllopodopsyllus pirkos Apostolov, 1969b (after Kunz, 1984c).

Amendments: Marinov, 1971; Apostolov, 1972; Apostolov & Marinov, 1988.

Phyllopodopsyllus thiebaudi santacruzensis Mielke, 1989b

Phyllopodopsyllus pauli (f) Crisafi, 1960

Synonym (?): *Ph. ponticus* Apostolov, 1968b (after Marinov, 1974c).

Description of the male: Crisafi, 1961.

Amendments: Marinov, 1974c; Kunz, 1975a and 1984a; Apostolov & Marinov, 1988.

Phyllopodopsyllus danielae Bodin, 1964

Phyllopodopsyllus laticauda (f) Por, 1964a

Phyllopodopsyllus medius Por, 1964a

Phyllopodopsyllus parabradyi Lang, 1965b

Phyllopodopsyllus borutzkyi Lang, 1965b

Phyllopodopsyllus biarticulatus Wells, 1967

Phyllopodopsyllus bahamensis (f) Geddes, 1968a

Phyllopodopsyllus opisthoceratus Geddes, 1968a

Phyllopodopsyllus parafurciger Geddes, 1968a

Phyllopodopsyllus parafurciger carolinensis Coull, 1971b

Phyllopodopsyllus hermani Coull, 1969a

Phyllopodopsyllus paraxenus Coull, 1970a

Phyllopodopsyllus chavei Coull, 1970a

Phyllopodopsyllus laspalmensis (f) Marinov, 1973c

Phyllopodopsyllus langi Kunz, 1975b

Phyllopodopsyllus paraborutzkyi Kunz, 1975b

Phyllopodopsyllus curtus Marcus, 1976b

Species close to *Ph. longicaudatus* A. Scott and to *Ph. bermudae* Lang, after its author.

Phyllopodopsyllus punctatus Kitazima, 1981

Species close to *Ph. longipalpatus* (Chappuis), after its author.

Phyllopodopsyllus simplex Kitazima, 1981

Species close to *Ph. bermudae* Lang and to *Ph. curtus* Marcus, after its author.

Phyllopodopsyllus setouchiensis Kitazima, 1981

Species close to *Ph. briani* Petkovski, after its author.

Redescription: Mielke, 1992b.

Phyllopodopsyllus angolensis Kunz, 1984a

Redescription: Mielke, 1989b.

Phyllopodopsyllus longipalpatus (Chappuis) *madagascariensis* (f) Kunz, 1984a

Phyllopodopsyllus longipalpatus (Chappuis) *hawaiiensis* Kunz, 1984b

Phyllopodopsyllus petkovskii Kunz, 1984b

Phyllopodopsyllus geddesi Kunz, 1984b

Phyllopodopsyllus gertrudi Kunz, 1984b

Phyllopodopsyllus gertrudi costaricensis Mielke, 1992b

Phyllopodopsyllus mielkei Kunz, 1984b

Phyllopodopsyllus mielkei californicus (f) Kunz, 1984b

Phyllopodopsyllus alatus Fiers, 1986f

Phyllopodopsyllus crenulatus Wells & Rao, 1987

Phyllopodopsyllus stigmosus Wells & Rao, 1987

Phyllopodopsyllus tenuis Wells & Rao, 1987

Phyllopodopsyllus gracilipes Wells & Rao, 1987

Phyllopodopsyllus galapagoensis Mielke, 1989b

Species very close (synonym?) to *P. crenulatus* Wells & Rao, 1987.

Phyllopodopsyllus kunzi Mielke, 1989b

Phyllopodopsyllus ancylus Mielke, 1992b

Phyllopodopsyllus carinatus Mielke, 1992b

Phyllopodopsyllus pallaresae Kunz, 1995a

Species very close (synonym?) to *P. stigmosus* Wells & Rao, 1987.

Phyllopodopsyllus hartmannorum (f) Kunz, 1995a

Phyllopodopsyllus yucatanensis Fiers, 1995

Species incertae

Phyllopodopsyllus thiebaudi (m) Petkovski (?) *sensu* Wells & McKenzie, 1973

Phyllopodopsyllus tristanensis (Wiborg, 1964)

Comb. nov. (Bodin, 1971) for *Paraphyllopodopsyllus tristanensis* Wiborg, 1964. Species considered questionable by Coull, 1973e (the specimens were lost, cf. Wiborg, 1964, p. 34).

Genus *Pteropsyllus* T. Scott, 1906

Pteropsyllus consimilis (T. Scott, 1894)

Synonyms: *Pt. plebeius* Monard, 1935 and *Pteropsyllus* sp. (m) Wells, 1961 (after Wells, 1967). But Kunz (1971b) did not agree to consider *Pt. plebeius furcatus* Kunz (1938) as a synonym of *Pt. consimilis*.

Species nova

Pteropsyllus trisetosus Mielke, 1989b

Genus *Diagoniceps* Willey, 1930

Key to the species: Coull, 1973e; Bodin, 1979a; Huys, 1995b.

Diagoniceps laevis Willey, 1930

Redescription: Yeatman, 1980 (partially), Fiers, 1995.

Species nova

Diagoniceps mexicana Fiers, 1995

Species inquirenda

Diagoniceps monodi Chappuis & Kunz, 1955

The systematic position of this species (the types of which have disappeared) was discussed by Fiers, 1995.

Genus *Laophontella* Thompson & A. Scott, 1903

Synonym: *Willeyella* Por, 1964a.

Key to the species: Coull, 1973e.

This genus placed within the **Laophontidae** (as '*genus incertum*') by Lang (1948), was allocated (with reserves) to the **Tetragonicipitidae** in Lang (1965b). It comprises the following species:

Laophontella typica Thompson & A. Scott, 1903

The specimen described by Thompson & A. Scott is a male, not a female (cf. Bodin, 1967, p. 40 and Wells & Rao, 1987, p. 153).

Synonyms: *Phyllopodopsyllus armatus* Willey, 1935 (after Wells & Rao, 1987), '*species incerta sedis*' in Lang (1948) and transferred to the genus *Laophontella* as *L. armata* in Lang (1965b).

Willeyella armata (Willey) *sensu* Por, 1964a (after Lang, 1965b).

Laophontella armata var. *indica* Sewell, 1940 (after Wells & Rao, 1987). The genus *Laophontella* was considered as member of the **Cletodidae** by Sewell.

Amendments: Geddes, 1968a (as *Laophontella armata*).

*Species novae**Laophontella horrida* (f) (Por, 1964)

Nom. nov. (Lang, 1965b; Bodin, 1967) for *Willeyella horrida* Por, 1964a.

Description of the male: Bodin, 1964 (as *Phyllopodopsyllus* sp.).

Laophontella horrida dentata Mielke, 1992b*Laophontella horrida namibiensis* Kunz, 1994cGenus *Oniscopsis* Chappuis, 1954b

Following Chappuis, Becker & Kunz (1981) advanced the opinion that this genus should be attributed to the family **Tetragonicipitidae**, and not to the **Paramesochridae** as stated in Lang (1965b).

Oniscopsis pauliani Chappuis, 1954b

Redescription: Cottarelli, Saporito & Puccetti, 1986a.

Oniscopsis robinsoni (f) Chappuis & Delamare Deboutteville, 1956

Amendments: Mielke, 1992b.

Redescription: Cottarelli, Saporito & Puccetti, 1986a; Mielke, 1989b.

Oniscopsis inabai Kitazima, 1983*Oniscopsis dimorphus* Wells & Rao, 1987Genus *Protogoniceps* Por, 1964a*Protogoniceps hebraeus* Por, 1964a

Por (1964a) considered this genus as a 'common ancestor of **Tetragonicipitidae**', which was contested by Lang (1965b) who pointed out to the fact that the description of the Exp. P₁ did not met with the illustration given by Por (pl. 19, fig. 211). But Coull (1973e) corrected the description of the Exp. P₁ after consultation of Por's original drawings.

Genus *Paraschizopera* Wells, 1981

Synonyms: *Paraschizopera* Becker, 1972 (thesis), genus considered invalid by Becker & Schriever (1979) because the description was made from a single copepodid V. In contrast, Wells (1981), recognized the particular status of this specimen and validated the genus, which was confirmed by Huys (1995b).

Nidiagoceps Fiers, 1995.

Key to the species: Huys, 1995b.

Paraschizopera beckeri Wells, 1981

Synonym: *Paraschizopera* sp. Becker, 1972.

Besides the type-species, Huys (1995b) incorporated into this genus species from the '*menaiensis* group' of the genus *Diagoniceps*, namely: *P. menaiensis* (Geddes) and *P. trifida* (Yeatman).

Paraschizopera menaiensis (Geddes, 1968)

Comb. nov. (Huys, 1995b) for *Diagoniceps menaiensis* Geddes, 1968d.

Synonym: *Nidiagoiceps menaiensis* (Geddes) *sensu* Fiers, 1995.

Amendments: Bodin, 1979a; Huys, 1995b.

Redescription: Fiers, 1995 (as *Nidiagoiceps menaiensis*).

Paraschizopera trifida (f) (Yeatman, 1980)

Comb. nov. (Huys, 1995b) for *Diagoniceps trifidus* Yeatman, 1980.

Synonym: *Nidiagoiceps trifidus* (Yeatman, 1980) *sensu* Fiers, 1995.

Genus **Aigondiceps* Fiers, 1995*Aigondiceps bocki* (Lang, 1948)

Comb. nov. (Fiers, 1995) for *Diagoniceps bocki* Lang, 1948.

Redescription of the female and description of the male: Por, 1964b (as *Diagoniceps bocki*).

Redescription: Fiers, 1995.

Aigondiceps kunzi (f) (Marinov, 1974)

Comb. nov. (Fiers, 1995) for *Diagoniceps kunzi* Marinov, 1974c.

Amendments: Apostolov & Marinov, 1988 (as *Diagoniceps kunzi*).

Aigondiceps brevicauda (m) (Huys, 1995)

Comb. nov. for *Paraschizopera brevicauda* Huys, 1995b.

Synonyms: *Diagoniceps* sp. Bodin, 1979a (after Huys, 1995b).

Aigondiceps bodini Fiers, 1995.

Amendments: Fiers, 1995 (as *Aigondiceps bodini*).

Genus **Odaginiceps* Fiers, 1995*Odaginiceps clarkae* Fiers, 1995*Odaginiceps elegantissima* (f) Fiers, 1995

Synonym: *Diagoniceps laevis* Willey *sensu* Coull (1970) and Coull & Herman (1970).

Odaginiceps xamaneki Fiers, 1995Genus **Godianiceps* Fiers, 1995*Godianiceps maya* Fiers, 1995

Fam. **CANTHOCAMPTIDAE** Sars, 1906 (part.), Monard, 1927 (part.), Lang, 1948

After a detailed review of the literature *pro*-1948, Lang rejected the previously proposed subdivisions of the family **Canthocamptidae**. However, Borutzky (1952) subdivided the family in 4 subfamilies:

- Canthocamptinae Chappuis, 1929
- Morariinae Borutzky, 1952
- Epactophaninae Borutzky, 1952
- Halocanthocamptinae Pesta, 1932

In his revision of the **Cletodidae**, Por (1986a) suggested to transfer some genera of this family (*Heteropsyllus*, *Hemimesochra*, *Mesopsyllus*, *Poria*, *Dahlakia*) to a new subfamily of the **Canthocamptidae**: the Hemimesochrinae. Furthermore he placed the genera *Cletocamptus* and *Parepactophanes* together with two 'Cletodidae' species provisionally in the '**Canthocamptidae incertae sedis**'. ? *Leimia dubia* Wells considered by Por (1986a) as an *incertae sedis* in the family, was included in the genus *Boreolimella* by Huys & Thistle (1989).

Martinez Arbizu & Moura (1994) considered the **Cylindropsyllidae** Sars, Lang as polyphyletic and desolved it, incorporating the Cylindropsyllinae in the **Canthocamptidae**.

Huys (1990c) removed the genus *Orthopsyllus* from this family to place it in the **Orthopsyllidae** fam. nov. (until now without diagnosis) and mentioned two new genera (without diagnosis as well).

Note: Lang (1965b p. 411), Bodiou & Colomines (1986) and Cottarelli & Venanzetti (1989) provided a key to the genera of the **Cylindropsyllidae**, the latter adding the genera *Neopsammastacus*, *Minervella* and *Psamathea*.

The genera *Psammastacus* and *Leptastacus* were thoroughly revised by Huys, 1992.

For the genera exclusively living in freshwater, reference should be made to Borutzky (1952, 1964), Dussart (1967) and Dussart & Defaye, 1990.

Genus *Mesochra* Boeck, 1865

Key to the species: Hamond, 1971; Fiers & Rutledge, 1990.

Mesochra pygmaea (Claus, 1863)

Synonym: *M. pygmaea* var. *meridionalis* Steuer, 1943 (after Hamond, 1971).

Amendments: Vos, 1945; Klie, 1950; Noodt, 1952b; Candeias, 1959; Pesta, 1959; Yeatman, 1963; Chislenko, 1967;; Bodin, 1970 (as *Leptomesochra* sp.); Hamond, 1971; Mielke, 1975; Chislenko, 1977; Marinov & Apostolov, 1985; Apostolov & Marinov, 1988.

Mesochra lilljeborgi Boeck, 1865

Amendments: Veldre & Maesets, 1956; Yeatman, 1963; Chislenko, 1967; Dussart, 1967; Apostolov & Marinov, 1988.

Mesochra rapiens (Schmeil, 1894)

Amendments: Veldre & Maesets, 1956; Dussart, 1967; Apostolov, 1973e; Apostolov & Marinov, 1988.

Mesochra inconspicua (T. Scott, 1899)

Description of the male: Klie, 1950.

Amendments: Mielke, 1975.

Mesochra aestuarii Gurney, 1921

Synonyms: *M. pontica* (f) Apostolov, 1969b and *M. apostolovi* Bodin, 1971 (after Hamond, 1971).

Amendments: Apostolov, 1973b and 1973e; Apostolov & Marinov, 1988; Gunduz, 1989.

Mesochra rostrata Gurney, 1927

Description of the male: Raibaut, 1967.

Amendments: Por, 1973.

Mesochra wolskii Jakubisiak, 1933

Redescription: Fiers & Rutledge, 1990.

Mesochra flava Lang, 1933

Redescription: Soyer (1977) considered *Mesochra flava* Lang *sensu* Pallares (1968a) as a distinct species and described it under the name *Mesochra pallaresi* (see below).

Mesochra heldti Monard, 1935

Description of the male: Wells, 1963a. (description quite short)

Amendments: Wells, 1963a; Dussart, 1967; Bodin, 1972b; Apostolov & Marinov, 1988.

Mesochra armoricana Monard, 1935

Amendments: Roe, 1958 (as *M. amoricana*); Ceccherelli & Rossin, 1979.

Redescription of the male: Marcus & Por, 1961.

Mesochra xenopoda Monard, 1935

Amendments: Apostolov, 1973b; Apostolov & Marinov, 1988.

*Species novae**Mesochra arenicola* (f) Nicholls, 1940*Mesochra parva* Thomson, 1946

Redescription: Hamond, 1971.

Mesochra pestai Lang, 1948

Amendments: Apostolov & Marinov, 1988.

Mesochra anomala Klie, 1950

Redescription of the female (with reserves): Bodin, 1979a.

Mesochra suifunensis Borutzky, 1952

Amendments: Shen & Tai, 1962.

Mesochra stellfeldi Jakobi, 1954b*Mesochra paranaensis* (f) Jakobi, 1954b*Mesochra dulcicula* (f) Jakobi, 1956*Mesochra alaskana* (f) M.S. Wilson, 1958*Mesochra lindbergi* Petkovski, 1964b*Mesochra pontica* Marcus, 1965

Amendments: Bodin, 1972b.

Mesochra quadrispinosa Shen & Tai, 1965

Mesochra mexicana (f) M.S. Wilson, 1971

Description of the male: Coull & Bell, 1979.

Mesochra baylyi Hamond, 1971

Synonyms: *Mesochra* sp. Bayly & Williams (1966) and *Mesochra* sp. nov. Bayly (1970).

Mesochra hinumaensis Kikuchi, 1972

Mesochra schmidtii Mielke, 1974

Mesochra bodini Kunz, 1975b

Mesochra pallaresi Soyer, 1977

Synonym: *M. flava* Lang *sensu* Pallares, 1968a. However, Hamond (1971) recognized Pallares' identification.

Species incertae

Mesochra pygmaea (Claus) (f)? de Nicholls, 1941a

Mesochra reducta Klie, 1950

The validity of this species was questioned by Petkovski, 1964b.

Mesochra sp. cf. *heldtii* Monard (f) *sensu* Margalef, 1953

'Probablemente nueva' after its author, this species is too poorly described to be valid.

Mesochra rapiens (Schmeil) (m)? *sensu* Por, 1960a

Mesochra heldtii Monard? de Bodin, 1972a

Mesochra sp. (f) Hamond, 1971

This female found in G.O. Sars' collection, labelled '*Mesochra pygmaea* Victoria', is not conspecific with *M. pygmaea* (Claus) but resembles more closely *M. timsae* Gurney (after Hamond, 1971).

Genus *Itunella* Brady, 1896

Itunella muelleri (Gagern, 1922)

Synonym: *I. bacescui* Chappuis & Serban, 1953 (after Noodt, 1955e and Apostolov, 1973b).

Amendments: Chislenko, 1967; Marinov, 1971; Bodin, 1973; Apostolov, 1973b; Apostolov & Marinov, 1988.

Species nova

Itunella intermedia Apostolov, 1975

Amendments: Apostolov & Marinov, 1988.

Genus *Pholetiscus* Humes, 1947

This genus was attributed to the **Ameiridae** by its author, which was corrected by Lang (1965b).

Pholetiscus wilsoni (Pearse, 1930)

Comb. nov. (Humes, 1947) for *Cancrincola wilsoni* Pearse, 1930; specimens collected from the branchial cavities of *Sesarma haematocheir* (de Haan) and *Sesarma pictum* (de Haan) (Crustacea, Decapoda) by Pearse (1930).

Pholetiscus orientalis Humes, 1947

Species found in the branchial cavities of *Sesarma eumolpe* de Man, *Sesarma taeniolatum* White and *Sesarma palawanense* Rathbun (Crustacea, Decapoda).

Pholetiscus rectiseta Humes, 1956

Species found in the branchial cavities of *Sesarma meinerti* de Man (Crustacea, Decapoda).

Genus *Ophirion* Por, 1967*Ophirion communis* Por, 1967Genus *Psammocamptus* Mielke, 1975*Psammocamptus axi* Mielke, 1975Subfam. **Hemimesochrinae** Por, 1986a

Tentatively created to distinguish the following genera from all other **Canthocamptidae** pending a revision of this family.

Genus *Heteropsyllus* T. Scott, 1894

Key to the species: Coull, 1975; Coull & Palmer, 1980.

Heteropsyllus major (Sars, 1920)

Synonym: *H. dimorphus* Por, 1959 (after Coull, 1975).

Amendments (m): Bodin, 1970; Apostolov & Marinov, 1988.

Heteropsyllus rostratus (Sars, 1920)

Description of the male: Por, 1964b.

*Species novae**Heteropsyllus rostratus similis* (f) Smirnov, 1946*Heteropsyllus masculus* (m) Kunz, 1971

Nom. nov. (Kunz, 1971b) for *H. major* (m) (Sars) *sensu* Klie, 1950.

Heteropsyllus meridionalis Soyer, 1975d*Heteropsyllus confluens* Soyer, 1975d*Heteropsyllus nunni* Coull, 1975*Heteropsyllus pseudonunni* (f) Coull & Palmer, 1980

The species *H. serratus* Schriever (1983) was provisionally placed in the '**Canthocamptidae incertae sedis**' by Por (1986a).

Genus *Hemimesochra* Sars, 1920

According to Huys & Thistle (1989) this genus assembles only the type-species, *Hemimesochra clavularis* Sars.

Genus *Nannomesochra* Gurney, 1932

Nannomesochra arupinensis (Brian, 1925)

Amendments: Noodt, 1953; Apostolov & Marinov, 1988.

Species nova

Nannomesochra zavodniki (f) Petkovski & Apostolov, 1974

Genus *Parepactophanes* Kunz, 1935

Initially placed in **Canthocamptidae** by its author, this genus was allocated to the **Cletodidae** by Lang (1948); it was recently re-assigned to the **Canthocamptidae** by Por (1986a).

Synonym: *Taurocletodes* Kunz, 1975a (after Kunz, 1983).

Parepactophanes dubia (f) Noodt, 1958b

Synonym: *Taurocletodes gallicus* Kunz, 1975a (after Kunz, 1983).

Amendments and description of the male: Kunz, 1983.

Genus *Mesopsyllus* Por, 1960b

This genus was considered as a synonym of *Hemimesochra* Sars by its author (Por, 1964a). But Lang (1965b) reasserted its validity.

Mesopsyllus atargatis (f) Por, 1960b

Synonym: *Hemimesochra atargatis* (Por, 1964b).

Mesopsyllus secundus (Wells, 1965)

Comb. nov. (Huys & Thistle, 1989) for *Hemimesochra secunda* Wells, 1965b.

Genus *Poria* Lang, 1965b

Poria derketo (f) (Por, 1964)

Comb. nov. (Lang, 1965b) for *Hemimesochra derketo* Por, 1964a.

Genus *Dahlakia* Por, 1986a

Dahlakia xenuus (Por, 1968)

Comb. nov. (Por, 1986a) for *Cletocamptus xenuus* Por, 1968a.

Genus **Bathycamptus* Huys & Thistle, 1989

Bathycamptus eckmani Huys & Thistle, 1989

Designated as type-species of the genus

Bathycamptus minutus (m) (Wells, 1965)

Comb. nov. (Huys & Thistle, 1989) for ? *Heteropsyllus minutus* Wells, 1965b.

Genus **Boreolimella* Huys & Thistle, 1989

Boreolimella nympha (f) (Por, 1964)

Comb. nov. (Huys & Thistle, 1989) for *Hemimesochra nympha* Por, 1964b.

Boreolimella dubia (f) (Wells, 1965)

Comb. nov. (Huys & Thistle, 1989) for ? *Leimia dubia* Wells, 1965b.

Genus **Perucamptus* Huys & Thistle, 1989

Perucamptus rapiens (f) (Becker, Noodt & Schriever, 1979)

Comb. nov. (Huys & Thistle, 1989) for *Hemimesochra rapiens* Becker, Noodt & Schriever, 1979.

Genus **Pusillargillus* Huys & Thistle, 1989

Pusillargillus nixe (Por, 1964)

Comb. nov. (Huys & Thistle, 1989) for *Hemimesochra nixe* Por, 1964a.

Genus **Amphibiperita* Fiers & Rutledge, 1990

Synonym: *Mesochra* (part.) after Fiers & Rutledge, 1990.

Amphibiperita neotropica (Jakobi, 1956)

Synonym: *Mesochra neotropica* Jakobi (1956), after Fiers & Rutledge, 1990.

Redescription: Fiers & Rutledge, 1990.

Subfam. **Cylindropsyllinae** Lang, 1948

Genus *Cylindropsyllus* Brady, 1880

Key to the species: Huys & Willems, 1993.

Cylindropsyllus laevis Brady, 1880

Redescription: Huys, 1988c.

Species novae

Cylindropsyllus remanei Kunz, 1949

Redescription: Huys, 1988c.

Cylindropsyllus kunzi (f) Huys, 1988c

Cylindropsyllus ibericus (m) Huys & Willems, 1993

Cylindropsyllus govaerei (m) Huys & Willems, 1993

Species incerta

Cylindropsyllus sp. Monard, 1935

Huys (1988c) considered the assignation of the single specimen (juvenile) found by Monard to the genus *Cylindropsyllus* as doubtful.

Genus *Evansula* T. Scott, 1906

Evansula incerta (T. Scott, 1892)

Amendments: Scheibel, 1972.

Evansula pygmaea (T. Scott, 1903)

Amendments: Scheibel, 1972; Mielke, 1975.

Species nova

Evansula arenicola Nicholls, 1940

Genus *Stenocaris* Sars, 1909

Key to the species: Kunz, 1994a.

Stenocaris minor (T. Scott, 1892)

Amendments: Marinov, 1971; Apostolov, 1971b (m); Apostolov & Marinov, 1988.

Stenocaris minuta Nicholls, 1935

Amendments: Noodt, 1952b; Mielke, 1975.

Stenocaris kliei Kunz, 1938

Amendments: Huys & Conroy-Dalton, 1993.

Species novae

Stenocaris pontica Chappuis & Serban, 1953

Amendments: Marinov, 1971; Apostolov, 1972; Apostolov & Marinov, 1988.

Redescription: Kunz, 1994a.

Stenocaris pygmaea (f) Noodt, 1955c

This species, considered as a synonym of *St. pontica* Chappuis & Serban (Marinov, 1971 and Apostolov, 1972), was reinstated by Huys & Conroy-Dalton (1993).

Stenocaris intermedia Itô, 1972a

Stenocaris baltica (m) Arlt, 1983

This species possibly is a synonym of *St. minuta*, after Kunz (1994a).

Species ignota

Apostolov (1972) provided some illustrations about a certain species '*Stenocaris minutus* Sars' (without precision of date), a species which he already mentioned in a previous paper (Apostolov, 1971a). To my knowledge, this species either does not exist; or refers to *St. minuta* Nicholls.

Genus *Cylinula* Coull, 1971b

Cylinula proxima Coull, 1971b

Redescription: Huys & Willems, 1993.

Cylinula arganoi Cottarelli & Venanzetti, 1989

Redescription: Huys & Willems, 1993.

Genus *Boreopontia* Willems, 1981

This genus displays characters of both Cyliindropsyllinae and Leptopontiinae; but seems most closely to the Cyliindropsyllinae and, more exactly, to the genus *Stenocaris* (after Willems, 1981).

Boreopontia heipi Willems, 1981

Synonym: *Arenopontia* sp. A *sensu* Willems, Vincx, Claeys, Vanosmael & Heip (1982), after Willems, 1981.

Redescription: Huys & Conroy-Dalton, 1993.

Genus *Stenocaropsis* Apostolov, 1982

Key to the species: Kunz, 1994a.

Stenocaropsis pristina (Wells, 1968)

Comb. nov. (Apostolov, 1982) for *Stenocaris pristina* Wells, 1968.

Amendments: Huys & Conroy-Dalton, 1993; Kunz, 1994a.

Stenocaropsis profundus (f) (Becker, Noodt & Schriever, 1979)

Comb. nov. (Kunz, 1994a) for *Stenocaris profundus* Becker, Noodt & Schriever, 1979.

Stenocaropsis abyssalis (m) (Becker, Noodt & Schriever, 1979)

Comb. nov. (Kunz, 1994a) for *Stenocaris abyssalis* Becker, Noodt & Schriever, 1979.

Stenocaropsis similis Cottarelli & Venanzetti, 1989

Redescription: Kunz, 1994a.

Species inquirenda

Stenocaropsis valkanovi (Marinov, 1974)

Comb. nov. (Apostolov, 1982) for *Stenocaris valkanovi* Marinov, 1974c. After Kunz (1994a), this species probably is a synonym of *S. similis*.

Synonyms: *Arenopontia* sp. Griga, 1962 (after Marinov, 1971, 1974c) and *Stenocaris pristina* Wells *sensu* Apostolov, 1973c.

Amendments: Apostolov & Marinov, 1988.

Genus * *Willemsia* Huys & Conroy-Dalton, 1993

Willemsia calceola Huys & Conroy-Dalton, 1993

Genus **Navalonia* Huys & Conroy-Dalton, 1993

Navalonia kerguelensis (Bodiou, 1977)

Comb. nov. (Huys & Conroy-Dalton, 1993) for *Stenocaris kerguelensis* Bodiou, 1977.

Canthocamptidae incertae sedis

The following taxa of the **Cletodidae** *sensu* Lang, are tentatively grouped here (after Por, 1986a).

Heteropsyllus serratus (f) Schriever, 1983

Genus *Cletocamptus* Schmankevitch, 1875

Revision of the genus: Fleege, 1980.

This genus includes brackish-water species.

Cletocamptus retrogressus Schmankevitch, 1875

Amendments: Dussart, 1967; Apostolov & Marinov, 1988.

Cletocamptus confluens (Schmeil, 1894)

Amendments: Dussart, 1967; Apostolov, 1973b

Cletocamptus albuquerquensis (Herrick, 1894)

Redescription: Pallares, 1962.

Cletocamptus deitersi (Richard, 1897)

Amendments: Herbst, 1960; Hamond, 1973a; Fleege, 1980; Morales *et al.*, 1996.

Species nova

Cletocamptus helobius Fleege, 1980

Species incerta

Cletocamptus cf. *bicolor* (Wilson) *sensu* Herbst, 1960

Fam. ***ORTHOPSYLLIDAE** Huys, 1990c

Huys (1990c) created this family which assembles the genus *Orthopsyllus* (thus removed from the **Canthocamptidae**) and two new genera: *Dionyx* and *Infrapedia*. But, since diagnoses of these new taxa did not appear in the scientific literature, they have to be treated as *nomina nuda*.

Genus ***Orthopsyllus*** Brady & Robertson, 1873

Synonym: *Katactetodes* Jakobi, 1954a (genus placed within **Cletodidae** by its author), after Vervoort (1964), Bodin (1964), Lang (1965b) and Boer (1971).

In a complete revision of the genus, Boer (1971) distinguished only four valid species: *O. linearis* (Claus), *O. wallini* Lang, *O. sarsi* Klie and *O. spinicaudatus* Krishnaswamy. In his review, *O. linearis* was subdivided in four groups (*linearis* s. str., *major*, *improportionatus* (correct name instead of *improportionalis*) and *illgi*). Lang (1965b) recognized also *O. littoralis* Nicholls (1942a), but this species was considered as a synonym of *O. wallini* by Boer (1971).

Orthopsyllus linearis (Claus, 1866)

Accepting Lang's (1965b) conclusions, Kunz (1971b) advised that every *Orthopsyllus* specimen reported from Helgoland until 1971 has to be referred to *O. linearis*.

Amendments: Pesta, 1959; Bodin, 1964 (as *O. propinquus* Monard); Wells, 1968; Pallares, 1968a; Kunz, 1983.

Thus, according to Boer (1971) proposed the following distribution:

Orthopsyllus linearis s. str. (Claus, 1866)

Synonyms: *O. propinquus* Monard, 1926

O. agnatus Klie, 1950

O. linearis f. *bulbosus* Noodt, 1955d

Orthopsyllus sp. Hamond, 1970

Orthopsyllus linearis major Klie, 1939, 1941

Comb. nov. (Boer, 1971) for *O. major* Klie, 1939, 1941a.

Orthopsyllus linearis improportionatus (Jakobi, 1954)

Comb. nov. (Vervoort, 1964; Bodin, 1964; Lang, 1965b; Boer, 1971) for *Katactetodes improportionatus* Jakobi, 1954a. Boer transformed the name in writing *K. improportionalis*.

Synonyms: *O. linearis* (Claus) *sensu* T. Scott, 1912 (et 1893?)

O. linearis (Claus) *sensu* Pesta, 1916

O. linearis (Claus) *sensu* Lang, 1965b

Orthopsyllus linearis illgi (Chappuis, 1958)

Comb. nov. (Lang, 1965b; Boer, 1971) for *Enhydrosoma illgi* Chappuis, 1958.

Synonyms: *O. rugosus* (f) Nicholls, 1941a

O. similis Nicholls, 1942a

O. pectinicauda Vervoort, 1964

With less certainty:

O. dubius Vervoort, 1964

Orthopsyllus sp. (m) Sewell, 1940 (Vervoort, 1964 recognized this specimen as the male of

O. rugosus Nicholls).

Amendments: Marinov & Apostolov, 1985; Apostolov & Marinov, 1988.

Redescription: Lang, 1965b (as *O. illgi*).

Orthopsyllus linearis setosus (f) Boer, 1971

Orthopsyllus linearis curvaspina Mielke, 1993

Orthopsyllus wallini Lang, 1934

Synonym: *O. littoralis* Nicholls, 1942a (after Boer, 1971).

Species novae

Orthopsyllus sarsi Klie, 1941a

Orthopsyllus spinicaudatus Krishnaswamy, 1957b

Orthopsyllus coralliophilus Fiers, 1987b

Species incerta

Orthopsyllus sp. (f) Apostolov, 1977

Species close to *O. linearis illgi*, after its author.

Nomina nuda

Genus **Dionyx* Huys, 1990c

Genus **Infrapedia* Huys, 1990c

Fam. ***LEPTOPONTIIDAE** Lang, 1948 *sensu* Martinez Arbizu & Moura, 1994

(*grad. nov.* Martinez Arbizu & Moura, 1994)

Martinez Arbizu & Moura (1994) considered the **Cylindropsyllidae** polyphyletic and, after allocating the Cylindropsyllinae to the **Canthocamptidae**, upgraded the **Leptopontiinae** to family rank. Within the **Leptopontiidae** three subfamilies (Leptopontiinae, Arenopontiinae, and Psammopontiinae) were recognized.

Subfam. **Leptopontiinae** Lang, 1948

Genus ***Leptopontia*** T. Scott, 1902

An amended diagnosis of the genus was provided by Huys & Conroy-Dalton, 1996.

Leptopontia curvicauda T. Scott, 1902

Amendments: Mielke, 1975; Apostolov & Marinov, 1988; Huys & Conroy-Dalton, 1996.

Redescription of the male: Huys & Conroy-Dalton, 1996.

Species novae

Leptopontia dovpori Huys & Conroy-Dalton, 1996

Leptopontia punctata Huys & Conroy-Dalton, 1996

Synonyms: *L. curvicauda* T. Scott *sensu* Kunz, 1938; *L. curvicauda* T. Scott *sensu* Wells, Kunz & Rao, 1975 and probably *L. curvicauda* T. Scott *sensu* Por, 1964b (after Huys & Conroy-Dalton, 1996).

Leptopontia flandrica Huys & Conroy-Dalton, 1996

Synonym: *Leptopontia* sp. *sensu* Huys & Boxshall, 1991 (after Huys & Conroy-Dalton, 1996).

Leptopontia mediterranea (m) Huys & Conroy-Dalton, 1996

Species described from a single copepodid V.

Leptopontia breviarticulata Huys & Conroy-Dalton, 1996

Synonym: *Leptopontia* sp. *sensu* Mielke, 1982b (after Huys & Conroy-Dalton, 1996).

Leptopontia americana Huys & Conroy-Dalton, 1996

Synonym: *L. curvicauda* T. Scott *sensu* Coull & Dudley, 1985 (part.) (after Huys & Conroy-Dalton, 1996).

Species inquirendae

Leptopontia curvicauda T. Scott, 1902 *sensu* Klie, 1950 (after Huys & Conroy-Dalton, 1996)

Leptopontia curvicauda T. Scott, 1902 *sensu* Marinov, 1971 (after Huys & Conroy-Dalton, 1996)

Leptopontia curvicauda T. Scott, 1902 *sensu* Apostolov, 1973c (after Huys & Conroy-Dalton, 1996)

Subfam. ***Arenopontiinae** Martinez Arbizu & Moura, 1994Genus **Arenopontia** Kunz, 1937

Synonyms: *Psammoleptastacus* Pennak, 1942 and *Neoleptastacus* Nicholls, 1945b (after Chappuis, 1954b; Noodt, 1955c and Lang, 1965b). However, in Wells' (1967) opinion *Neoleptastacus* is a subgenus of *Arenopontia*, which effectively seems more logical (genera *Psammoleptastacus* and *Neoleptastacus* were initially placed within the **Canthocamptidae** by their authors).

Key to the species: Lang, 1965b (p. 419); Bodiou & Colomines, 1986.

Subgenus **Arenopontia** s. str. Kunz**Arenopontia (A.) subterranea** Kunz, 1937

Synonym: *A. pontica* Apostolov, 1969b (after Marinov, 1971). But Apostolov (1973b) claimed that *A. pontica* is a subspecies of *A. subterranea*.

Amendments: Chappuis, 1954a and 1954c; Rao & Ganapati, 1969b; Marinov, 1971; Mielke, 1975; Lindgren, 1976; Arlt, 1983; Apostolov & Marinov, 1988.

*Species novae***Arenopontia (A.) arenarida** (Pennak, 1942)

Comb. nov. (Noodt, 1955c and Lang, 1965b) for *Psammoleptastacus arenaridus* Pennak, 1942.

Amendments: Lindgren, 1976.

Arenopontia (A.) stygia Noodt, 1955c

Amendments: Marinov, 1971; Lindgren, 1976; Apostolov & Marinov, 1988.

Arenopontia (A.) orientalis (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Psammoleptastacus orientalis* Krishnaswamy, 1957b.

Arenopontia (A.) intermedia (f) Rouch, 1962**Arenopontia (A.) dillonbeachia** (f) Lang, 1965b

Description of the male: Itô, 1969.

Arenopontia (A.) problematica Masry, 1970**Arenopontia (A.) nesaie** Cottarelli, 1975**Arenopontia (A.) riedli** Lindgren, 1976**Arenopontia (A.) peteraxi** Mielke, 1982b

Species close to *A. intermedia* Rouch and *A. orientalis* Krishnaswamy, after Mielke (1982b).

Amendments: Mielke, 1982c, 1987b.

Arenopontia (A.) pacifica Mielke, 1985c**Arenopontia (A.) spicata** Mielke, 1985c

Amendments: Mielke, 1987b.

Arenopontia (A.) clasingi Mielke, 1985c

Species incerta

Arenopontia subterranea Kunz? *sensu* Serban & Eitel Lang, 1957

Subgenus *Neoleptastacus* Nicholls

Arenopontia (N.) *spinicaudata* (Nicholls, 1945)

Comb. nov. (Chappuis, 1954b; Noodt, 1955c; Lang, 1965b) for *Neoleptastacus spinicaudatus* Nicholls, 1945b.

Amendments: Chappuis, 1958.

Arenopontia (N.) *australis* Chappuis, 1952

Arenopontia (N.) *acantha* Chappuis, 1954d

Amendments: Bozic, 1967 and Cottarelli, 1973 (both as *A. acantha*).

Arenopontia (N.) *acantha accraensis* Lang, 1965

Nom. nov. (Kunz, 1971a) for *A. longiremis* Chappuis, 1954b *sensu* Chappuis & Rouch, 1961a. Lang (1965b) upgraded the subspecies to specific rank: *A. accraensis*.

Arenopontia (N.) *longiremis* Chappuis, 1954b

Amendments: Chappuis & Rouch, 1961a; Wells, 1967 (the latter distinguished two varieties in the specimens found along the coasts of Inhaca Island).

Arenopontia (N.) *secunda* (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b; Wells, 1967) for *Neoleptastacus secundus* Krishnaswamy, 1957b.

Arenopontia (N.) *africana* Chappuis & Rouch, 1961a

Arenopontia (N.) *africana angolensis* (f) Kunz, 1971a

Arenopontia (N.) *indica* Rao, 1967

Synonym: *Arenopontia* (N.) *sakagamii* Itô, 1978 (after Wells & Rao, 1987).

Redescription: Wells & Rao, 1987.

Arenopontia (N.) *ishikariana* Itô, 1968

Arenopontia (N.) *gussoae* Cottarelli, 1973

Arenopontia (N.) *chaufriassei* Bodiou & Colomines, 1986

Arenopontia (N.) *ornamenta* Mielke, 1987b

Arenopontia (N.) *reductaspina* Mielke, 1987b

Arenopontia (N.) *phreatica* (m) Cottarelli, Bruno & Venanzetti, 1994

Arenopontia (N.) *speluncae* Cottarelli, Bruno & Venanzetti, 1994

Species incertae

Arenopontia? *gussoae* Cottarelli *sensu* Mielke, 1982c

Amendments: Mielke, 1987b.

Arenopontia? *ishikariana* Itô *sensu* Mielke, 1987b

Subgenus **Pararenopontia* Bodiou & Colomines, 1986

(grad. nov. Martinez Arbizu & Moura, 1994)

Martinez Arbizu & Moura (1994) suggested that the species of the genus *Pararenopontia* created by Bodiou & Colomines (1986) are in fact species of the genus *Arenopontia* characterized by their reduced pereopod segmentation; for this reason I list them here in the genus *Arenopontia*.

Arenopontia (P.) *breviarticulata* (m) (Mielke, 1975)

Comb. nov. (Bodiou & Colomines, 1986) for *Arenopontia* (N.) *breviarticulata* Mielke, 1975.

Arenopontia (P.) *trisetosa* (Mielke, 1982)

Comb. nov. (Bodiou & Colomines, 1986) for *Arenopontia* (A.) *trisetosa* Mielke, 1982b.

Amendments: Mielke, 1982c.

Subfam. **Psammopsyllinae** Krishnaswamy, 1956

This subfamily was created to assemble the genera *Psammopsyllus* and *Sewellina*. Cottarelli (1971b) added here the genus *Ichnusella*, and Martinez Arbizu & Moura (1994) added the genera *Notopontia*, *Prosewellina*, *Parasewellina* and *Syrticola*.

Genus *Psammopsyllus* Nicholls, 1945b

Nicholls allocated this genus to the Stenocaridae s. str. Lang (1936).

Synonym: *Paulianicaris* Chappuis, 1952, after Chappuis, 1954b and Lang, 1965b. Chappuis (1954d) advanced the idea to create the family Paulianicaridae for the genus *Paulianicaris*.

Key to the species: Cottarelli, Puccetti & Saporito, 1986.

Psammopsyllus operculatus Nicholls, 1945b

Amendments: Noodt, 1955d; Chappuis & Rouch, 1961a; Rao & Ganapati, 1969b.

Redescription: Cottarelli, Puccetti & Saporito, 1986.

Psammopsyllus cornifer (Chappuis, 1952)

Comb. nov. (Chappuis, 1954b) for *Paulianicaris cornifer* Chappuis, 1952.

Psammopsyllus delamarei (Chappuis, 1954)

Comb. nov. (Chappuis, 1954b) for *Paulianicaris delamarei* Chappuis, 1954d.

Psammopsyllus limnicola Chappuis, 1954b

Psammopsyllus arenarius Enckell, 1965

Psammopsyllus pasquinii Cottarelli, 1969

Psammopsyllus imamurai Kikuchi, 1972

Psammopsyllus tridentatus Soyer, 1975a

Psammopsyllus stri Mielke, 1983a

Redescription: Kunz, 1993.

Psammopsyllus falciseta Mielke, 1983a

Psammopsyllus maricae Cottarelli, Saporito & Puccetti, 1983b

Psammopsyllus arganoi (m) Cottarelli, Puccetti & Saporito, 1986

Psammopsyllus longipes (f) Cottarelli, Puccetti & Saporito, 1986

Psammopsyllus brevipes Cottarelli, Puccetti & Saporito, 1986

Psammopsyllus pori Kunz, 1993

Genus *Sewellina* Krishnaswamy, 1956

Sewellina reducta Krishnaswamy, 1956

Krishnaswamy misspelt the specific epitheton as *reductus*.

Amendments: Rao & Ganapati, 1969b (as *S. reductus*).

Sewellina subtilis Cottarelli, Saporito & Puccetti, 1986d

Genus *Ichnusella* Cottarelli, 1971b

Ichnusella eione Cottarelli, 1971b

Genus *Notopontia* Bodiou, 1977

Notopontia biarticulata (f) (Wells, 1967)

Comb. nov. (Bodiou & Colomines, 1986) for *Arenopontia* (A.) *biarticulata* Wells, 1967; type-species of the genus *Notopontia*.

Notopontia stephanieae Bodiou, 1977

Genus *Syrticola* Willems & Claeys, 1982

Key to the species: Huys & Ohtsuka, 1993.

Syrticola flandricus (f) Willems & Claeys, 1982

Amendments: Huys & Ohtsuka, 1993.

Syrticola galapagoensis (Mielke, 1982)

Comb. nov. for *Notopontia galapagoensis* Mielke, 1982b, after Bodiou & Colomines (1986), Willems, Claeys & Fiers (1987) and Huys & Ohtsuka, 1993.

Syrticola mediterraneus Willems, Claeys & Fiers, 1987

Syrticola intermedius Huys & Ohtsuka, 1993

Species inquirenda

Syrticola trispinosus (A. Scott, 1896)

Comb. nov. (Willems & Claeys, 1982) for *Tetragoniceps trispinosus* A. Scott, 1896; a species considered as 'species incerta' of the genus *Evansula* (subfam. Cyliindropsyllinae) by Lang (1948) and as *species inquirenda* by Huys & Ohtsuka, 1993. Personally, I favour the idea that this species is an erroneous observation of *Leptopontia curvicauda* T. Scott.

Genus *Parasewellina* Cottarelli, Saporito & Puccetti, 1986d

Parasewellina prima Cottarelli, Saporito & Puccetti, 1986d

Genus *Prosewellina* Mielke, 1987b

Prosewellina chilensis Mielke, 1987b

Fam. ***LEPTASTACIDAE** Lang, 1948 *sensu* Huys, 1992

(grad. nov. (Huys, 1992) for Leptastacinae Lang)

Key to the genera: Huys, 1992 (p. 182).

Genus **Leptastacus** T. Scott, 1906

Key to the species: Bodiou & Colomines, 1989.

Leptastacus macronyx (T. Scott, 1892)

Amendments: Apostolov & Marinov, 1988.

Redescription: Huys, 1992.

Leptastacus laticaudatus Nicholls, 1935Synonym: *Leptastacus laticaudatus intermedius* Kunz, 1938 (after Huys, 1987c).

Amendments: Apostolov & Marinov, 1988.

Redescription: Huys, 1987c.

*Species novae***Leptastacus spatuliseta** (f) Mielke, 1982bSpecies close to *L. laticaudatus* s. str. Nicholls, *L. laticaudatus intermedius* Kunz and *L. macronyx* (T. Scott), after Mielke (1982b).**Leptastacus uncinatus** Cottarelli & Venanzetti, 1989**Leptastacus kwintei** Huys, 1992**Leptastacus coulli** Huys, 1992Synonymy: *L. macronyx* (T. Scott) *sensu* Wilson, 1932 (see Huys, 1992, p. 43 for detailed list).**Leptastacus pygmaeus** Huys, 1992Synonym: *L. macronyx* (T. Scott) *sensu* Van Damme & Heip, 1977 (after Huys, 1992).**Leptastacus corsicaensis** Huys, 1992*Species inquirendae**Leptastacus laticaudatus intermedius* Kunz (1937) *sensu* Apostolov (1973b), Apostolov & Marinov (1988) and Huys (1987c), after Huys, 1992. McLachlan & Moore (1978) and Huys (1987c) already doubted Apostolov's identification.**Leptastacus minutus** (f) Chappuis (1954a), after Huys, 1992.**Leptastacus wieseri** Chappuis (1958), after Huys, 1992.Genus **Paraleptastacus** Wilson, 1932

Key to the species: Huys, 1992 (p. 97).

Paraleptastacus spinicauda (T. & A. Scott, 1895)Redescription: Mielke, 1975. This author recognized within *P. spinicauda* two subspecies: *P. spinicauda bisetosa* Jakubisiak, 1938 (= *P. bisetosus* Jakubisiak considered by Huys (1992) as 'subspecies inquirenda) and *P. spinicauda trisetata* Noodt considered by Huys (1992) as a distinct species.

Amendments: Apostolov & Marinov, 1988.

Paraleptastacus espinulatus Nicholls, 1935

Synonym: *P. spinicauda* (T. & A. Scott) *sensu* Mielke (1975).

Amendments: Scheibel, 1972; Moore, 1975.

Paraleptastacus holsaticus Kunz, 1937

Noodt (1952b) considered this species synonymous with *P. spinicauda* (T. & A. Scott), but the redescriptions provided by Mielke (1975) proved the validity of this species.

Amendments: Letova, 1982; Apostolov & Marinov, 1988.

Redescription: Mielke, 1975.

Species novae

Paraleptastacus laurenticus Nicholls, 1940

Paraleptastacus longicaudatus Nicholls, 1940

Paraleptastacus triseta Noodt, 1954a

Synonyms (after Huys, 1992):

P. spinicauda triseta Noodt, 1954a.

P. ponticus Apostolov, 1969b

P. spinicauda trisetosa Serban & E. Lang, 1957.

Serban (1959, p. 277) already pointed out to the similarity between the forms *triseta* and *trisetosa*. Apostolov (1973b) formerly synonymized *P. ponticus* with *P. spinicauda trisetosa*.

Amendments: Monchenko, 1967d (as *P. spinicauda triseta*); Apostolov, 1973b (as *P. spinicauda trisetosa*).

Paraleptastacus unisetosus Itô, 1972a

Paraleptastacus supralittoralis Mielke, 1975

Paraleptastacus monensis Whybrew, 1986

Synonym: *P. spinicauda* (T. & A. Scott) *sensu* Moore, 1975 (after Huys, 1992).

Paraleptastacus wilsoni Whybrew, 1986

Paraleptastacus moorei Whybrew, 1986

Synonym: *P. holsaticus* Kunz *sensu* Moore, 1975 (after Huys, 1992).

Amendments: Huys, 1992.

Paraleptastacus holsaticus moorei Whybrew, 1986

Species inquirendae

P. spinicauda bisetosus Jakubisiak, 1938 (after Huys, 1992), and considered as a synonym of *P. spinicauda* by Mielke (1975).

Paraleptastacus ammodytensis (f) Carvalho, 1952b (after Huys, 1992).

P. caspicus Sterba, 1973 (after Huys, 1992). Moore (1975) considered this species as a synonym of *P. spinicauda*.

Paraleptastacus sp. Arlt, 1983

Some specimens found by Arlt displayed a mixture of features known to be present in *P. holsaticus* and *P. spinicauda*.

Genus *Psammastacus* Nicholls, 1935

Key to the species: McLachlan & Moore, 1978.

Psammastacus confluens Nicholls, 1935

Synonym: *P. brevicaudatus* Nicholls (1935), after Huys, 1992.

Amendments: Apostolov & Marinov, 1988.

Redescription: Huys, 1992.

Species inquirendae

Psammastacus confluens Nicholls, 1935 *sensu* Chappuis, 1954a.

Psammastacus confluens Nicholls, 1935 *sensu* Apostolov, 1977 and Apostolov & Marinov, 1988.

Genus *Arenocaris* Nicholls, 1935

Arenocaris bifida Nicholls, 1935

Amendments: Mielke, 1975.

Redescription: Huys, 1992.

Arenocaris reducta (m) Huys, 1992

Genus **Arenotopa* Chappuis & Rouch, 1960

Wells, 1967 considered *Arenotopa* synonymous with *Psammastacus* Nicholls, but the genus was reinstated by Wells & Rao, 1987 and by Huys, 1992.

Arenotopa ghanai Chappuis & Rouch, 1960

Synonym: *Psammastacus ghanai* (Chappuis & Rouch, 1960) *sensu* Wells, 1967.

Arenotopa rossii Cottarelli, 1977

Comb. nov. (Huys, 1992) for *Psammastacus rossii* (Cottarelli, 1977a) *sensu* Bodin, 1988.

Arenotopa erasmusi (McLachlan & Moore, 1978)

Comb. nov. (Huys, 1992) for *Psammastacus erasmusi* McLachlan & Moore, 1978 and *P. erasmusi* McLachlan & Moore *sensu* Bodin, 1988.

Amendments: Huys, 1992 (p. 126).

Arenotopa dyadacantha Wells & Rao, 1987

Genus **Neopsammastacus* Cottarelli & Venanzetti, 1989

Synonym: *Psammastacus* Nicholls, 1935 (part.), after Huys, 1992.

Neopsammastacus spinicauda (Wells, 1967)

Synonym: *Psammastacus spinicaudus* Wells, 1967 (part.), after Cottarelli & Venanzetti (1989) and Huys (1992).

Redescription: Huys, 1992.

Neopsammastacus spinicaudatus (Rao & Ganapati, 1969)

Synonym: *Psammastacus spinicaudatus* Rao & Ganapati (1969), after Cottarelli & Venanzetti (1989) and Huys (1992).

Amendments: Wells & Rao, 1987 (as *Psammastacus spinicaudatus*).

Genus **Minervella* Cottarelli & Venanzetti, 1989

Synonym: *Psammastacus* Nicholls, 1935 (part.), after Huys, 1992.

Minervella baccettii Cottarelli & Venanzetti, 1989*Minervella perplexa* (Wells & Clark, 1965)

Nom. nov (Huys, 1992) for *Psammastacus perplexus* Wells & Clark, 1965.

Redescription: Huys, 1992.

Genus **Psamathea* Cottarelli & Venanzetti, 1989*Psamathea nautarum* Cottarelli & Venanzetti, 1989

Redescription: Huys, Bodiou & Bodin, 1996.

Psamathea brittanica Huys, Bodiou & Bodin, 1996

Synonym: *Notopontia* (?) sp. de Bodin, 1984.

Amendments: Huys, Bodiou & Bodin, 1996.

Genus **Afroleptastacus* Huys, 1992

Synonym: *Psammastacus* Nicholl, 1935 (part.), after Huys, 1992.

Afroleptastacus clandestinus Huys, 1992

Synonym: *Psammastacus spinicaudus* Wells, 1967 (part.), after Huys, 1992.

Afroleptastacus remanei (Noodt, 1964)

Synonym: *Psammastacus remanei* Noodt (1964), after Huys, 1992.

Amendments: Huys, 1992 (p.151).

Genus **Archileptastacus* Huys, 1992

Synonym: *Leptastacus* T. Scott (part.), after Huys, 1992.

Archileptastacus dichatoensis (f) (Mielke, 1985)

Comb. nov. (Huys, 1992) for *Leptastacus aberrans dichatoensis* Mielke, 1985c.

Synonym: *Leptastacus dichatoensis* Mielke (1985c) *sensu* Bodiou & Colomines, 1989.

Amendments: Mielke, 1987b.

Archileptastacus aberrans (Chappuis, 1954)

Comb. nov. (Huys, 1992) for *Leptastacus aberrans* Chappuis, 1954a.

Amendments: Kunz, 1975a.

Genus **Belemnopontia* Huys, 1992

Synonym: *Leptastacus* T. Scott (part.), after Huys, 1992.

Belemnopontia dispinosa (Mielke, 1982)

Comb. nov. (Huys, 1992) for *Leptastacus dispinosus* Mielke, 1982b.

Synonym: *Leptastacus dispinosus dispinosus* Mielke, 1982b, 1983b (after Huys, 1992).

Belemnopontia panamensis (Mielke, 1983)

Comb. nov. (Huys, 1992) for *Leptastacus dispinosus panamensis* Mielke, 1983b.

*Species inquirenda**Belemnopontia acuticaudatus* (m) (Krishnaswamy, 1957b), after Huys (1992).

Synonyms (after Huys, 1992):

Leptastacus acuticaudatus Krishnaswamy (1957b). Lang (1965b) pointed out that the male Krishnaswamy described is in fact a female specimen. Lang (1965b) recommended that this species has to be redescribed before it could be taken into account. McLachlan & Moore (1978) shared this opinion.

Leptastacus macronyx (T. Scott) *sensu* Chappuis & Rouch, 1961a

Genus **Cerconeotes* Huys, 1992

Synonym: *Leptastacus* T. Scott (part.), after Huys, 1992.

Key to the species: Huys, 1992.

Cerconeotes mozambicus (Wells, 1967)

Comb. nov. (Huys, 1992) for *Leptastacus mozambicus* Wells (1967).

Redescription: Huys, 1992.

Cerconeotes constrictus (Lang, 1965)

Comb. nov. (Huys, 1992) for *Leptastacus constrictus* Lang, 1965b.

Cerconeotes japonicus (Itô, 1968)

Comb. nov. (Huys, 1992) for *Leptastacus japonicus* Itô, 1968.

Cerconeotes jenneri (Lindgren, 1975)

Comb. nov. (Huys, 1992) for *Leptastacus jenneri* Lindgren, 1975.

Redescription: Mielke, 1983b as *Leptastacus jenneri*.

*Species inquirendae**Cerconeotes nichollsi* (f) (Krishnaswamy, 1951)

Comb. nov. (Huys, 1992) for *Leptastacus nichollsi* Krishnaswamy, 1951b; species considered questionable by Lang (1965b) and McLachlan & Moore (1978).

Cerconeotes euryhalinus (Krishnaswamy, 1957)

Comb. nov. (Huys, 1992) for *Leptastacus euryhalinus* Krishnaswamy, 1957b. This species should be redescribed (Lang, 1965b p. 412). It was considered questionable by McLachlan & Moore (1978) as well.

Cerconeotes waltirensis (Rao & Ganapati, 1969)

Comb. nov. (Huys, 1992) for *Leptastacus waltirensis* Rao & Ganapati, 1969.

Genus **Membranastacus* Huys, 1992

Synonym: *Psammastacus* Nicholls, 1935 (part.), after Huys, 1992.

Membranastacus inopinatus Huys, 1992

Synonym: *Psammastacus spinicaudus* Wells, 1967 (part.), after Huys, 1992.

Genus **Schizothrix* Huys, 1992

Synonym: *Leptastacus* T. Scott, 1906 (part.), after Huys, 1992.

Key to the species: Huys, 1992 (p. 173).

Schizothrix ctenata (Mielke, 1982)

Comb. nov. (Huys, 1992) for *Leptastacus ctenatus* Mielke, 1982b.

Schizothrix rostrata (Nicholls, 1940)

Comb. nov. (Huys, 1992) for *Leptastacus rostratus* (f) Nicholls, 1940.

Redescription: Geddes, 1981a (as *Leptastacus rostratus*).

Schizothrix pontica (Griga, 1962)

Comb. nov. (Huys, 1992) for *Leptastacus macronyx pontica* Griga, 1962

Synonyms (after Huys, 1992):

Leptastacus rostratus Nicholls, 1940? *sensu* Apostolov (1972)

Leptastacus rostratus Nicholls, 1940 *sensu* Apostolov (1973c)

Leptastacus rostratus taurica (f) Marinov, 1974c. This variety was considered questionable by McLachlan & Moore (1978).

Leptastacus taurica Marinov, 1974c *sensu* Geddes (1981a) and Apostolov & Marinov (1988).

Genus **Sextonis* Huys, 1992

Synonym: *Leptastacus* T. Scott, 1906 (part.), after Huys, 1992.

Key to the species: Huys, 1992 (p. 176).

Sextonis mehuinensis (Mielke, 1985)

Comb. nov. (Huys, 1992) for *Leptastacus mehuinensis* Mielke, 1985c.

Sextonis incurvatus (Lang, 1965)

Comb. nov. (Huys, 1992) for *Leptastacus incurvatus* Lang, 1965b.

Sextonis chilensis (f) (Mielke, 1985)

Comb. nov. (Huys, 1992) for *Leptastacus incurvatus chilensis* Mielke, 1985c.

Synonym: *Leptastacus chilensis* Mielke, 1985 *sensu* Bodiou & Colomines, 1989 (after Huys, 1992).

Amendments and description of the male: Mielke, 1987b.

Sextonis laminaserratus (Mielke, 1985)

Comb. nov. (Huys, 1992) for *Leptastacus laminaserrata* Mielke, 1985c.

*Species inquirendae**Sextonis delamarei* (Rouch, 1962)

Comb. nov. (Huys, 1992) for *Leptastacus delamarei* Rouch, 1962.

Sextonis naylori (McLachlan & Moore, 1978)

Comb. nov. (Huys, 1992) for *Leptastacus naylori* McLachlan & Moore, 1978 (part.).

Amendments: Huys, 1992 (p. 126).

Leptastacidae incertae sedis

According to Huys (1992) the systematic position of the following species is still uncertain:

Psammastacus acuticaudatus (m) Krishnaswamy, 1957b*Leptastacus operculatus* Masry, 1970

Huys (1992a) listed this species with the '*species inquirendae*' of the genus *Cerconeotes*, but finally placed it as '*species incerta sedis*' in the Leptastacidae, after examination of the type-material (Huys, 1992a: p. 194).

Leptastacus naylori McLachlan & Moore, 1978 (m)*Leptastacus christelleae* Bodiou & Colomines, 1989**Fam. LOURINIIDAE Monard, 1927****Genus *Lourinia* Wilson, 1924***Lourinia armata* (Claus, 1866)

Synonyms: *Ceyloniella nicobarica* Sewell, 1940 and *C. nicobarica* var., Sewell, 1940 (after Vervoort, 1964 and Wells & Rao, 1987). These forms were allocated to the genus *Lourinia* by Noodt, 1955a (as *L. nicobarica*).

Lourinia armata sulamericana Jakobi, 1954a (after Vervoort, 1964).

Ceyloniella armata major Sewell, 1940 (after Vervoort, 1964).

Ceyloniella armata minor Sewell, 1940 (after Vervoort, 1964).

The last two were transferred to the genus *Lourinia* by Noodt (1955a), who assumed that they represent different generations of the same species.

Amendments: Nicholls, 1941a (as *Ceyloniella armata*); Petkovski, 1955b; Noodt, 1955a; Pesta, 1959.

Redescription: Yoo & Lee, 1993.

Fam. **CLETODIDAE** T. Scott, 1905 (part.) *sensu* Por, 1986

Por (1986a) completely revised the former family **Cletodidae** *sensu* Lang (which Por erroneously attributed to 'Sars, Lang'). The several genera were rearranged in 5 new families (**Cletodidae** s. str., **Paranannopidae**, **Huntemanniidae**, **Rhizothricidae**, **Argestidae**), and a new subfamily in the **Canthocamptidae**.

Key to the genera: Lang, 1965b (p. 424, part.)

According to Por (1986a), the family comprises only the genera *Cletodes*, *Enhydrosoma*, *Limnocletodes*, *Stylicletodes*, *Enhydrosomella*, *Acrenhydrosoma*, *Barbaracletodes*, *Australonannopus* and *Scintis*. Fiers (1987b) added the genus *Monocletodes* Lang and a new genus, *Intercletodes*.

Genus *Cletodes* Brady, 1872

Synonym: *Thieliella* Schriever, 1984a (part.) (after Schriever, 1986b).

Key to the species: Soyer, 1964e; Lang, 1965b (p. 424); Hamond, 1973f; Fiers, 1991b.

In his revision of the genus, Hamond (1973f) stated that *Cletodes carthaginiensis* Monard (1935) has to be excluded because of the inaccurate original description and the absence of type specimens.

Cletodes limicola Brady, 1872

Amendments: Griga, 1962; Por, 1964a; Soyer, 1964e; Bodin, 1970; Apostolov & Marinov, 1988.

Cletodes longicaudatus (Boeck, 1872)

Amendments: Griga, 1962; Soyer, 1964e; Arlt, 1983; Apostolov & Marinov, 1988.

Cletodes tenuipes T. Scott, 1896

Description of the male: Por, 1959; Drzycimski, 1969.

Amendments: Por, 1959; Griga, 1962; Bodin, 1970; Apostolov & Marinov, 1988.

Cletodes pusillus Sars, 1920

Amendments: Klie, 1950.

Cletodes longifurca Lang, 1948

Amendments: Arlt, 1983.

*Species novae**Cletodes reyssi* Soyer, 1964e*Cletodes hartmannae* Lang, 1965b*Cletodes yotabis* Por, 1967*Cletodes spinulipes* Por, 1967

Species close to *Cletodes millerorum* Hamond, 1973f.

Cletodes latirostris Drzycimski, 1967a

Amendments: Drzycimski, 1969.

Cletodes smirnovi Bodin, 1970*Cletodes pseudodissimilis* Coull, 1971b

Cletodes millerorum (f) Hamond, 1973f

Amendments: Fiers (1996b) gave some precisions about the presence of sexual dimorphism.

Cletodes reductus Moore, 1978b

Species close to *C. smirnovi* Bodin, after its author.

Cletodes dora Por, 1979

Species close to *C. hartmannae* Lang, after its author.

Cletodes endopodita (Schriever, 1984)

Comb. nov. (Schriever, 1986b) for *Thieliella endopodita* Schriever, 1984a.

Description of the male: Schriever, 1986b.

Cletodes setosus Marinov & Apostolov, 1985*Cletodes dentatus* Wells & Rao, 1987*Cletodes macrura* Fiers, 1991b*Cletodes tuberculatus* Fiers, 1991b*Species incerta**Cletodes* sp. (m) (Krishnaswamy, 1957)

Comb. nov. (Lang, 1965b) for *Enhydrosoma* sp. Krishnaswamy, 1957b.

Genus *Enhydrosoma* Boeck, 1872

Key to the species: Thistle, 1980; Bell & Kern, 1983.

Enhydrosoma curticauda Boeck, 1872

Amendments: Chislenko, 1967.

Redescription: Gee, 1994.

Enhydrosoma propinquum (Brady, 1880)

Amendments: Por, 1960a; Marinov, 1971; Apostolov, 1973b (as *Enhydrosoma propinquum*); Mielke, 1975; Apostolov & Marinov, 1988.

Enhydrosoma curvirostre (T. Scott, 1894)

Amendments: Bodin, 1970 and 1973.

Enhydrosoma sarsi (T. Scott, 1904)

Amendments: Por, 1960a; Bodin, 1970; Arlt, 1983.

Enhydrosoma longifurcatum Sars, 1909

Amendments: Bodin, 1970; Arlt, 1983; Apostolov & Marinov, 1988.

Redescription of the male: Roe, 1959.

Enhydrosoma latipes (A. Scott, 1909)

Description of the male: Wells, 1967.

Enhydrosoma sordidum Monard, 1926

Amendments: Por, 1960a; Wells, 1965b; Marinov, 1971; Apostolov & Marinov, 1988.

Enhydrosoma gariene Gurney, 1930

Original termination *-nis* corrected by Lang, 1965b.

Amendments: Monchenko, 1967c; Lorenzen, 1969; Marinov, 1977 (as *Enhydrosoma gariene*); Apostolov & Marinov, 1988.

Enhydrosoma lacunae Jakubisiak, 1933

Synonyms: *Enhydrosoma mangroviae* (f) Jakobi, 1955, *Enhydrosoma gerlachi* Jakobi, 1955, and *Enhydrosoma woodini* Thistle, 1980 (after Fiers, 1996b).

Redescription: Fiers, 1996b (including copepodid development).

*Species novae**Enhydrosoma nicobaricum* (f) Sewell, 1940

Original termination *-ca* corrected by Lang, 1965b; Sewell described not a female but a male copepodid V (after Gee, 1994 and Fiers, 1996b).

Enhydrosoma caeni Raibaut, 1965

Amendments: Monchenko, 1967c; Apostolov & Marinov, 1988.

Enhydrosoma hopkinsi Lang, 1965b

Synonym: *E. vicinum* Por, 1967 (after Coull, 1975).

Enhydrosoma littorale Wells, 1967*Enhydrosoma wellsi* Bodin, 1968b

This species cannot be a synonym of *Cletodes latirostris* as argued by Drzycimski, 1969.

Enhydrosoma baruchi Coull, 1975

Amendments: Ivester & Coull, 1977.

Enhydrosoma intermedia (f) Chislenko, 1978*Enhydrosoma variabile* Wells, Hicks & Coull, 1982

Synonym: *Enhydrosoma* sp. Coull & Wells (1981), after its authors.

Enhydrosoma longicauda Marinov & Apostolov, 1983

Redescription: Marinov & Apostolov, 1985.

Enhydrosoma herrerae Bell & Kern, 1983*Enhydrosoma pectinatum* Wells & Rao, 1987

Species having affinities with the *sordidum*-group (cf. Thistle, 1980), after its authors.

Enhydrosoma pericoense Mielke, 1990a*Enhydrosoma rosae* Fiers, 1996

Nom. nov. (Fiers, 1996b) for *Enhydrosoma propinquum* (Brady) *sensu* Pallares, 1975e.

Species incertae

In a paper on the genus *Enhydrosoma*, Jakobi (1955) described several new species. However they are so superficially described that in Lang's opinion (1965b, p. 430) they should be simply ignored. Fiers (1996b) considered some of them as junior synonyms of *E. lacunae*

Enhydrosoma ivitteae (f) Jakobi, 1955

Enhydrosoma minimum (f) Jakobi, 1955

Enhydrosoma guaratubae (f) Jakobi, 1955

Enhydrosoma cananeiae (f) Jakobi, 1955

Enhydrosoma sp. (f) (?) Griga, 1961

Enhydrosoma tunisense Monard, 1935

Original termination *-sis* corrected by Lang, 1965b.

Wells (1965b) assumed that *E. tunisense* is only a variety of *E. sordidum*.

Several authors met with difficulties in the identification of this species; thus we have:

Enhydrosoma tunisensis Monard? (m) *sensu* Petkovski, 1964b

Enhydrosoma tunisensis Monard? *sensu* Bodin, 1964

Enhydrosoma sp. Fiers, 1996b

Proposed by Fiers for *E. propinquum sensu* Ivester & Coull (1977).

Genus *Limnocletodes* Borutzky, 1926

Revision: Wells, 1971.

Limnocletodes behningi Borutzky, 1926

Synonym: *L. secundus* Sewell, 1934 (after Wells, 1971).

Amendments: Hensen, 1952; Shen & Tai, 1962; Apostolov & Marinov, 1988.

Redescription: Wells, 1971; Ranga Reddy & Radhakrishna, 1980b (as *L. secundus* Sewell).

Species novae

Limnocletodes angustodes Shen & Tai, 1963

Amendments: Kikuchi, Dai & Itô, 1993.

Limnocletodes oblongatus Shen & Tai, 1964

Genus *Stylicletodes* Lang, 1936

Key to the species: Bodin, 1968b.

Stylicletodes longicaudatus (Brady & Robertson, 1880)

Synonyms: *St. numidicus* (Monard, 1935) (after Por, 1959 and Lang, 1965b).

St. numidicus (Monard)? (m) *sensu* Petkovski, 1955c (after Bodin, 1967).

Amendments: Por, 1959; Griga, 1963; Lang, 1965b; Marinov, 1971; Pallares, 1975e; Marinov, 1977; Apostolov & Marinov, 1988.

Stylictodes stylicaudatus (Willey, 1929)

Nov. comb. (Fiers, 1996b) for *Cletodes stylicaudatus* Willey.

Species novae

Stylictodes reductus (f) Wells, 1965b

Stylictodes verisimilis (f) Lang, 1965b

Stylictodes oligochaeta (f) Bodin, 1968b

Stylictodes minutus (f) Bodin, 1968b

Genus *Enhydrosomella* Monard, 1935

Species novae

Enhydrosomella setiensis Raibaut, 1965

Enhydrosomella monardi Por, 1967

Enhydrosomella kuehnemanni (m) Pallares, 1968b

Description of the female: Pallares, 1970.

Enhydrosomella franklini (Thistle, 1980)

Comb. nov. (Fiers, 1987a and Gee, 1994) for *Enhydrosoma franklini* Thistle, 1980.

Genus *Monocletodes* Lang, 1936

After Fiers (1987b), this genus should be placed in the *Cletodidae* Sars *sensu* Por (1986a).

Monocletodes varians (T. Scott, 1903)

Synonyms: *Thieliella nordatlantica* and *Th. reducta* Schrieffer, 1982a, 1984a (after Schrieffer, 1986b).

Redescription of the male: Schrieffer, 1984a (as *Thieliella nordatlantica*).

Genus *Acrenhydrosoma* Lang, 1944

Species novae

Acrenhydrosoma karlingi Lang, 1965b

Acrenhydrosoma maccalli Schizas & Shirley, 1994b

Genus *Australonannopus* Hamond, 1974

Australonannopus aestuarinus Hamond, 1974

Genus *Barbaracletodes* Becker, Noodt & Schrieffer, 1979

Barbaracletodes barbara Becker, Noodt & Schrieffer, 1979

Barbaracletodes carola (m) Becker, Noodt & Schrieffer, 1979

Genus *Scintis* Por, 1986b

Scintis variifurca Por, 1986b

Genus **Interclatodes* Fiers, 1987b

Interclatodes interita Fiers, 1987b

Genus **Kollerua* Gee, 1994

Kollerua uniarticulatum (Borutzky, 1928)

Comb. nov. (Gee, 1994) for *Enhydrosoma uniarticulatum* Borutzky, 1928.

Amendments: Shen & Tai, 1962 (as *Enhydrosoma uniarticulatum*).

Kollerua breviarticulatum (f) (Shen & Tai, 1964)

Comb. nov. (Gee, 1994) for *Enhydrosoma breviarticulatum* Shen & Tai, 1964.

Amendments: Kikuchi, Dai & Itô (1993) (as *E. breviarticulatum*).

Kollerua birsteini (Borutzky, 1971)

Comb. nov. (Gee, 1994) for *Enhydrosoma birsteini* Borutzky, 1971.

Kollerua longum (Shen & Tai, 1979)

Comb. nov. (Gee, 1994) for *Enhydrosoma longum* Shen & Tai, 1979.

Kollerua radhakrishnai (Ranga Reddy, 1979)

Comb. nov. (Gee, 1994) for *Enhydrosoma radhakrishnai* Ranga Reddy, 1979.

Species close to *E. uniarticulatum* Borutzky, after its author.

Genus **Strongylacron* Gee & Huys, 1996

Strongylacron buchholzi (Boeck, 1872)

Comb. nov. (Gee & Huys, 1996) for *Enhydrosoma buchholzi* (Boeck, 1872).

Redescription: Gee & Huys, 1996.

Genus **Schizacron* Gee & Huys, 1996

Schizacron barnishi (Wells, 1967)

Comb. nov. (Gee & Huys, 1996) for *Enhydrosoma barnishi* Wells, 1967.

Redescription: Gee & Huys, 1996.

Schizacron bifurcarostratus (Shen & Tai, 1965)

Comb. nov. (Gee & Huys, 1996) for *Enhydrosoma bifurcarostratum* Shen & Tai, 1965.

Schizacron vervoorti (m) (Fiers, 1987)

Comb. nov. (Gee & Huys, 1996) for *Enhydrosoma vervoorti* Fiers, 1987a.

Redescription: Gee & Huys, 1996.

Schizacron intermedius Gee & Huys, 1996

Fam. **PARANANNOPIDAE** Por, 1986

Por (1986a), included in this family the genera *Paranannopus* and *Cylindronannopus*. Huys & Thistle (1989) added a new genus (*Carolinicola*), Huys & Gee (1990) transferred the genera *Danielssenia*, *Psammis*, *Paradanielssenia*, *Micropsammis* and *Leptotachidia* previously assembled in the **Tachidiidae** to this family, and added the new genera *Archisenia*, *Bathypsammis*, *Sentiropsis*, *Peltisenia* and *Afrosenia* (Huys & Gee, 1993; 1996a). Willen (1996b) allocated the genus *Pseudomesochra* to this family and proposed to place it in a separate subfamily: the Pseudomesochrinae. Finally, Huys & Gee (1996b) added the genera *Prionos* and *Anapophysia*.

Revision and diagnoses of the genera: Gee & Huys, 1991.

Key to the genera: Huys & Gee, 1993.

Genus *Paranannopus* Lang, 1936

Key to the species: Soyer, 1964e; Coull, 1973e; Schrieffer, 1985a.

Species novae

Paranannopus echinipes (f) Smirnov, 1946

Paranannopus minutus (f) Smirnov, 1946

Paranannopus bahusiense (f) Por, 1964b

Paranannopus philistinus (f) Por, 1964c

Paranannopus caheti (f) Soyer, 1964e

Paranannopus triarticulatus (f) Wells, 1965b

Paranannopus atlanticus (f) Coull, 1973a

Paranannopus wellsi (f) Soyer, 1976

Paranannopus longithorax (f) Becker, Noodt & Schrieffer, 1979

Paranannopus reductus (f) Becker, Noodt & Schrieffer, 1979

Paranannopus truncatus (f) Becker, Noodt & Schrieffer, 1979

Paranannopus plumosus (f) Schrieffer, 1983

Paranannopus trisetosus (f) Schrieffer, 1985a

Paranannopus singulosestosus (f) Schrieffer, 1985a

Paranannopus denticulatus (f) Schrieffer, 1985a

Paranannopus uniarticulatus (f) Schrieffer, 1985a

Paranannopus variabilis (m) Schrieffer, 1985a

The female described by Schrieffer (1985a) is in fact a male copepodid stage V, after Gee & Huys (1990, p. 1568).

Paranannopus kunzi (m) Schrieffer, 1985a

Paranannopus hicksi (m) Schrieffer, 1985a

Species incerta

Paranannopus langi (m) Wells, 1965b

Description of the female: according to Gee & Huys (1990, p. 1568) the female described by Schriever (1983) is in fact a male copepodid stage V and probably does not belong to this species but may be a synonym of *P. triarticulatus* Wells.

Genus *Pseudomesochra* T. Scott, 1902

This genus was removed from the **Diosaccidae** by Willen (1996b).

Key to the species: Coull, 1973c; Willen, 1996b.

Pseudomesochra similis Lang, 1935

Amendments: Drzycimski, 1968a, who corrected the Enp. P₃-P₄ chaetotaxy, erroneously listed in Lang (1948, p. 593, table X).

Species novae

Pseudomesochra tamara (f) Smirnov, 1946

Pseudomesochra aberrans (f) Bodin, 1968b

Pseudomesochra tatianae (f) Drzycimski, 1968a

Pseudomesochra gemina Coull, 1973c

Willen (1996b) questioned the generic designation of this species.

Pseudomesochra minor (f) Becker, 1974

Pseudomesochra beckeri (f) Becker & Schriever, 1979

Pseudomesochra abyssalis (f) Becker & Schriever, 1979

Pseudomesochra scheibeli (f) Schriever, 1982b

Pseudomesochra meridianensis (f) Willen, 1996b

Willen also described male and female copepodid V.

Pseudomesochra gertwilleni (f) Willen, 1996b

Pseudomesochra laptevensis (f) Willen, 1996b

Species incerta sedis

Pseudomesochra? perplexa (m) Bodin, 1968b

Willen (1996b) discussed the questionable generic designation of this species.

Genus *Cylindronannopus* Coull, 1973a

Key to the species: Schriever, 1985a

Cylindronannopus primus Coull, 1973a

Cylindronannopus elongatus (Becker, Noodt & Schriever, 1979)

Comb. nov. (Schriever, 1985a) for *Paranannopus elongatus* Becker, Noodt & Schriever, 1979.

Cylindronannopus bispinosus Schriever, 1985a

Genus *Danielssenia* Boeck, 1872

Key to the species: Huys & Gee, 1993.

Danielssenia typica Boeck, 1872

Synonyms: *D. fusiformis* (Brady, 1880) *sensu* Sars (1910) after Huys & Gee (1993). According to these authors, all other records or descriptions of *D. fusiformis* have to be confirmed.

Redescription: Gee, 1988b; Huys & Gee, 1993.

*Species novae**Danielssenia quadriseta* Gee, 1988a*Danielssenia reducta* Gee, 1988a*Species incerta sedis**Danielssenia spitsbergensis* (m) Gee & Huys, 1994*Species inquirenda**Danielssenia similis* Chislenko, 1978 (after Huys & Gee, 1993).Genus **Jonesiella* Brady, 1880

Synonym: **Sentirenia* Huys & Gee, 1992 (after Huys & Gee, 1993).

Genus reinstated by Huys & Gee (1993) and encompassing the following species:

Jonesiella fusiformis Brady, 1880

Comb. nov. for *Danielssenia fusiformis* (Brady, 1880), after Huys & Gee, 1993.

Synonyms: *Danielssenia perezii* Monard, 1935, *Sentirenia perezii* (Monard, 1935) *sensu* Huys & Gee, 1992 and *Danielssenia paraperezii* Soyer, 1970b (after Huys & Gee, 1993).

Redescription: Wells, 1968 (m); Huys & Gee, 1992.

Jonesiella eastwardae (Coull, 1971)

Comb. nov. (Huys & Gee, 1993) for *Danielssenia eastwardae* Coull, 1971b and for *Sentirenia eastwardae* (Coull, 1971b) *sensu* Huys & Gee, 1992.

Amendments: Huys & Gee, 1992 (as *Sentirenia eastwardae*).

Genus *Psammis* Sars, 1910*Psammis longisetosa* Sars, 1910

Amendments: Por, 1965b (Huys & Gee, 1993 doubted the correctness of this identification); Huys & Gee, 1993.

Redescription: Gee, 1988b.

Species nova

Psammis longipes (f) Becker, 1974

Amendments: Huys & Gee, 1993.

Genus *Paradanielssenia* Soyer, 1970b

Key to the species: Gee & Huys, 1994.

Paradanielssenia kunzi Soyer, 1970b

Paradanielssenia biclavata Gee, 1988b

Redescription: Gee & Huys, 1991.

Paradanielssenia christineae Gee & Huys, 1994

Paradanielssenia kathleenae Gee & Huys, 1994

Genus *Leptotachidia* Becker, 1974

Leptotachidia iberica Becker, 1974

Redescription: Gee & Huys, 1991

Genus *Micropsammis* Mielke, 1975

Micropsammis noodti Mielke, 1975

Redescription: Gee & Huys, 1991

Genus **Carolinicola* Huys & Thistle, 1989

Carolinicola trisetosa (f) (Coull, 1973)

Comb. nov. (Huys & Thistle, 1989) for *Hemimesochra trisetosa* Coull, 1973a.

Genus **Fladenia* Gee & Huys, 1990

Synonym: *Danielssenia* Boeck (part.), after Gee & Huys, 1990.

Fladenia robusta (Sars, 1921)

Comb. nov. (Huys & Gee, 1993) for *Danielssenia robusta* Sars, 1921. New type-species of the genus.

Synonym: *Danielssenia intermedia* (m) Wells, 1965b (after Huys & Gee, 1993).

Amendments: Por, 1964a; but this identification is questionable (after Huys & Gee, 1993).

Fladenia intermedia (Wells, 1965)

Redescription: Gee & Huys, 1990.

Genus **Telopsammis* Gee & Huys, 1991*Telopsammis secunda* (Mielke, 1975)

Comb. nov. (Gee & Huys, 1991) for *Micropsammis secunda* Mielke, 1975.

Redescription: Gee & Huys, 1991.

Genus **Archisenia* Huys & Gee, 1993

Synonym: *Danielssenia* Boeck (part.).

Archisenia sibirica (Sars, 1898)

Comb. nov. (Huys & Gee, 1993) for *Danielssenia sibirica* Sars, 1898.

Synonym: *Danielssenia stefanssoni* Willey, 1920 (after Huys & Gee, 1993).

Redescription: M.S. Wilson, 1966 (as *Danielssenia stefanssoni*); Huys & Gee, 1993.

Genus **Bathypsammis* Huys & Gee, 1993*Bathypsammis longifurca* (f) (Bodin, 1968)

Comb. nov. (Huys & Gee, 1993) for *Psammis longifurca* Bodin, 1968b.

Amendments: Huys & Gee, 1993.

Genus **Mucrosenia* Gee & Huys, 1994*Mucrosenia kendalli* (f) Gee & Huys, 1994

Species incerta sedis

Mucrosenia kliei (f) (Smirnov, 1946)

Comb. nov. (Gee & Huys, 1994) for *Psammis kliei* Smirnov, 1946.

Genus **Sentiropsis* Huys & Gee, 1996a*Sentiropsis minuta* (Coull, 1969)

Comb. nov. (Huys & Gee, 1996a) for *Danielssenia minuta* Coull, 1969b.

Redescription: Huys & Gee, 1996a.

Genus **Peltisenia* Huys & Gee, 1996a*Peltisenia aberrans* (Por, 1964)

Comb. nov. (Huys & Gee, 1996a) for *Idomene aberrans* Por, 1964a.

Synonym: *Idomene* (?) *peresi* Bodin, 1964 (who described the male).

Redescription: Huys & Gee, 1996a.

Genus **Afrosenia* Huys & Gee, 1996a

Afrosenia spinipes (Wells, 1967)

Comb. nov. (Huys & Gee, 1996a) for *Danielssenia spinipes* Wells, 1967.

Redescription: Huys & Gee, 1996a.

Genus **Prionos* Huys & Gee, 1996b

Prionos ornata (f) Huys & Gee, 1996b

Genus **Anapophysia* Huys & Gee, 1996b

Anapophysia borealis (Klie, 1939)

Comb. nov. (Huys & Gee, 1996b) for *Psammis borealis* Klie (1939, 1941a).

Redescription: Huys & Gee, 1996b.

Anapophysia segonzaci Huys & Gee, 1996b

Fam. **HUNTEMANNIIDAE** Por, 1986

Por (1986a) included in this family the genera *Nannopus*, *Huntemannia*, *Metahuntemannia* (syn. *Beckeria* Por), *Pontopolites*, and *Pseudocletodes*. Dahms & Pottek (1992) added the genus *Talpina*.

Genus *Nannopus* Brady, 1880

Nannopus palustris Brady, 1880

Synonyms: *Nannopus brasiliensis* Jakobi, 1956

Nannopus sp. (f) Hensen, 1952

N. palustris tiberiadis Por, 1968b (after Wells, 1971).

Amendments: Veldre & Mäemets, 1956; Chislenko, 1967; Dussart, 1967; Wells, 1971; Mielke, 1974; Coull & Fleeger, 1977 (including a study of the morphological variability of the species); Letova, 1982; Arlt, 1983; Fiers & Rutledge, 1990.

Species nova

Nannopus unisegmentatus (f) Shen & Tai, 1964

Genus *Huntemannia* Poppe, 1884

Huntemannia jadensis Poppe, 1884

Amendments: Chappuis, 1958; Chislenko, 1967; Mielke, 1975; Letova, 1982.

Huntemannia micropus Monard, 1935

Description of the male: Geddes, 1968d.

Species novae

Huntemannia lacustris M.S. Wilson, 1958

Huntemannia biarticulatus Shen & Tai, 1973

Genus *Metahuntemannia* Smirnov, 1946

Synonyms: *Apodella* Por, 1965b.

Beckeria Por (1986b), after Dahms & Pottek, 1992.

Key to the species: Bodin, 1968b; Soyer, 1970c; Dahms & Pottek, 1992.

Metahuntemannia spinosa (f) (Klie, 1939)

Comb. nov. (Smirnov, 1946) for *Monocletodes spinosus* Klie, 1939.

Metahuntemannia gorbunovi (f) Smirnov, 1946

Metahuntemannia crassa (f) (Por, 1965)

Comb. nov. (Bodin, 1967) for *Apodella crassa* Por, 1965b.

Metahuntemannia dovpori (f) Bodin, 1968b

Metahuntemannia smirnovi (m) Bodin, 1968b

Synonym: *M. drzycimskii* Bodin, 1971.

Metahuntemannia drzycimskii (f) Soyer, 1970

Nom. nov. (Soyer, 1970c) for *M. smirnovi* Drzycimski, 1968b (name preoccupied by Bodin, 1968b).

Synonym: *M. smirnovi* Drzycimski *sensu* Bodin, 1971 and Becker, 1972.

Metahuntemannia mediterranea (m) Soyer, 1970c

Metahuntemannia magniceps (f) Becker, Noodt & Schrieffer, 1979

Metahuntemannia iberica (f) Becker, Noodt & schrieffer, 1979

Metahuntemannia pseudomagniceps Schrieffer, 1983

Metahuntemannia atlantica (f) Schrieffer, 1983

Metahuntemannia triarticulata Schrieffer, 1984b

Metahuntemannia arctica (f) Schrieffer, 1984b

Metahuntemannia indica (f) (Por, 1986)

Comb. nov. (Dahms & Pottek, 1992) for *Beckeria indica* Por, 1986b.

Metahuntemannia texturata (f) Dahms & Pottek, 1992

Metahuntemannia beckeri (f) Dahms & Pottek, 1992

Metahuntemannia spinipes (f) Dahms & Pottek, 1992

Genus **Talpina* Dahms & Pottek, 1992

Synonym: *Metahuntemannia* Smirnov, 1946 (part.).

Key to the species: Dahms & Pottek, 1992.

Talpina talpa (Becker, Noodt & Schrieffer, 1979)

Comb. nov. (Dahms & Pottek, 1992) for *Metahuntemannia talpa* Becker, Noodt & Schrieffer, 1979.

Talpina curticauda (f) (Becker, Noodt & Schrieffer, 1979)

Comb. nov. (Dahms & Pottek, 1992) for *Metahuntemannia curticauda* Becker, Noodt & Schrieffer, 1979.

Talpina peruana (Becker, Noodt & Schrieffer, 1979)

Comb. nov. (Dahms & Pottek, 1992) for *Metahuntemannia peruana* Becker, Noodt & Schrieffer, 1979.

Talpina pacifica (Becker, Noodt & Schrieffer, 1979)

Comb. nov. (Dahms & Pottek, 1992) for *Metahuntemannia pacifica* Becker, Noodt & Schrieffer, 1979.

Talpina micracantha (f) (Gamô, 1981)

Comb. nov. (Dahms & Pottek, 1992) for *Metahuntemannia micracantha* Gamô, 1981.

Talpina bifida (f) (Schrieffer, 1984)

Comb. nov. (Dahms & Pottek, 1992) for *Metahuntemannia bifida* Schrieffer, 1984b.

Talpina noodti (f) Dahms & Pottek, 1992*Talpina fodens* (f) Dahms & Pottek, 1992*Talpina furcispina* (f) Dahms & Pottek, 1992*Talpina bathyalis* (f) Dahms & Pottek, 1992*Talpina pectinata* (m) Dahms & Pottek, 1992Fam. **RHIZOTHRICIDAE** Por, 1986

Por (1986a) assembled the genera *Rhizothrix* and *Tryphoema* in this family.

Genus *Rhizothrix* Brady & Robertson, 1875

Key to the species: Bodin, 1979a.

The genus *Rhizothrix* has been subject of much debate. Pennak (1942) created the genus *Adelopoda*, which he placed within the **Canthocamptidae**, while it should have been assigned to the **Cletodidae**. Bozic (1953) considered *Adelopoda* as a subgenus of *Rhizothrix*. Wells (1963) claimed that *Adelopoda* was a synonym of *Tryphoema* Monard and that *Tryphoema* had to be considered as a subgenus of *Rhizothrix*. Lang (1965b) advanced the opinion to keep two distinct genera: *Rhizothrix* and *Tryphoema*, and to desolve the genus *Adelopoda* into the genus *Tryphoema*.

Rhizothrix curvata Brady & Robertson, 1875

Amendments: Klie, 1950; Griga, 1962; Por, 1964a

Rhizothrix minuta (T. Scott, 1903)

Amendments: Nicholls, 1940; Noodt, 1953; Bozic, 1953; Scheibel, 1972.

Redescription of the male: Bozic, 1953.

Rhizothrix gracilis (T. Scott, 1903)

Amendments: Bozic, 1955; Mielke, 1975.

*Species novae**Rhizothrix reducta* (f) Noodt, 1952b

Description of the male: Noodt, 1953.

Amendments: Mielke, 1975.

Rhizothrix reducta noodti Galhano, 1970*Rhizothrix pubescens* Por, 1959

Amendments: Marinov, 1971; Apostolov & Marinov, 1988.

Rhizothrix quadriseta Wells, 1967*Rhizothrix spinosa* Coull, 1971b*Rhizothrix wilsoni* Bodin, 1979a*Species incerta**Rhizothrix* cf. *minuta* (T. Scott), Arlt, 1983Genus *Tryphoema* Monard, 1926

Synonym: *Adelopoda* Pennak (1942), after Lang (1965b).

Key to the species: Bodin, 1970.

*Species novae**Tryphoema ramabula* (Pennak, 1942)

Comb. nov. (Lang, 1965b) for *Adelopoda ramabula* Pennak, 1942.

Tryphoema bocqueti (f) (Bozic, 1953)

Comb. nov. (Lang, 1965b) for *Rhizothrix (Adelopoda) bocqueti* Bozic, 1953.

Description of the male: Wells, 1963a; Por, 1964b (as *Rhizothrix bocqueti*).

Amendments: Bodin, 1970.

Tryphoema lusitanica (Wells & Clark, 1965)

Comb. nov. (Bodin, 1967) for *Rhizothrix (Tryphoema) lusitanica* Wells & Clark, 1965.

Tryphoema scilloniensis (f) (Wells, 1968)

Comb. nov. (Bodin, 1971) for *Rhizothrix (Tryphoema) scilloniensis* Wells, 1968.

Tryphoema riedli Coull, 1971b

Fam. **ARGESTIDAE** Por, 1986

Por (1986a) unified the following genera in this family: *Fultonia*, *Mesocletodes*, *Eurycletodes*, *Argestes*, *Leptocletodes*, *Argestigens*, *Hemicletodes*, *Parargestes*, *Odiliacletodes*, *Corallicletodes*, *Hypalocletodes*, *Neoargestes*, *Dizahavia* and *Megistocletodes*.

Genus *Fultonia* T. Scott, 1902

Key to the species: Bodin, 1968b.

*Species novae**Fultonia bougisi* (f) Soyer, 1964c

Synonym: *F. bougisi corallicola* (f) Soyer, 1966 (after Soyer, 1971).

Fultonia gascognensis (f) Bodin, 1968b*Species incerta sedis**Fultonia sarsi* (f) (Smirnov, 1946)

Lang (1965b) allocated this species from the genus *Argestes* to *Fultonia*. But, Por (1979) assumed that it could belong to the new genus *Dizahavia* (Por, 1979).

Genus *Mesocletodes* Sars, 1909

Key to the species: Bodin, 1968b; Coull, 1973d; Schriever, 1985b (erroneous).

At first glance, the species of this genus can be distributed over two groups: those 'with dorsal spines' and without dorsal spines' on cephalothorax and anal operculum. Therefore, I think it is useful to distinguish, inside the genus *Mesocletodes*, an '*inermis*' group (example: *M. inermis* Sars) and an '*abyssicola*' group (example: *M. abyssicola* (T. & A. Scott)). But of course it has to be understood that this distinction has, for the moment, no taxonomic value and is just presented herein to facilitate bibliographical research.

From a pure taxonomic point of view, a detailed study of the genus can be consulted in Becker (1972).

Mesocletodes monensis (I.C. Thompson, 1893)

Amendments: Por, 1964a.

Mesocletodes irrasus (T. & A. Scott, 1894)

Amendments: Soyer, 1964e.

Species novae

◇ '*inermis*' group:

Mesocletodes langi (f) Smirnov, 1946*Mesocletodes makarovi* (f) Smirnov, 1946*Mesocletodes arenicola* (f) Noodt, 1952b*Mesocletodes glaber* (f) Por, 1964b*Mesocletodes guillei* (f) Soyer, 1964e*Mesocletodes fladensis* (m) Wells, 1965b*Mesocletodes farauni* (f) Por, 1967

Mesocletodes commixtus (f) Coull, 1973d

Mesocletodes carpinei (f) Soyer, 1975e

Mesocletodes bodini (f) Soyer, 1975e

Mesocletodes ameliae (f) Soyer, 1975e

Mesocletodes parirrasus (f) Becker, Noodt & Schrieffer, 1979

Mesocletodes sarsi (f) Becker, Noodt & Schrieffer, 1979

Mesocletodes trisetosa (f) Schrieffer, 1983

Mesocletodes parabodini (f) Schrieffer, 1983

Mesocletodes variabilis (f) Schrieffer, 1983

Mesocletodes duosetosus (f) Schrieffer, 1985b

Mesocletodes thieli Schrieffer, 1985b

Mesocletodes faroerensis Schrieffer, 1985b

Mesocletodes kunzi (f) Schrieffer, 1985b

◇ 'abyssicola' group:

Mesocletodes dolichurus (f) Smirnov, 1946

Mesocletodes bathybia (f) Por, 1964a

Synonym: *M. boutierei* Soyer, 1964e.

Mesocletodes katharinae (f) Soyer, 1964e

Mesocletodes robustus (f) Por, 1965b

Mesocletodes soyeri (f) Bodin, 1968b

Mesocletodes quadrispinosa (f) Schrieffer, 1985b

Mesocletodes opoteros (f) Por, 1986b

This species does not really belong to the 'abyssicola' group (no spine on the Ceph.)

Nomen nudum

Mesocletodes gigas Por, 1965a

Genus *Eurycletodes* Sars, 1909

Key to the species: Soyer, 1964a and 1964e.

Subgenus *Eurycletodes* s. str. Lang, 1944*Species nova**Eurycletodes (E.) gorbunovi* (f) Smirnov, 1946Subgenus *Oligocletodes* Lang, 1944*Eurycletodes (O.) latus* (T. Scott, 1892)

Amendments: Por, 1959; Griga, 1962; Marinov, 1971; Apostolov & Marinov, 1988.

Eurycletodes (O.) similis (T. Scott, 1895)

Amendments: Klie, 1950; Pesta, 1959; Chislenko, 1977.

Eurycletodes (O.) oblongus Sars, 1920

Amendments: Por, 1964a; Soyer, 1964a.

Eurycletodes (O.) aculeatus Sars, 1920

Amendments: Por, 1964a; Soyer, 1964a.

Eurycletodes (O.) verisimilis Willey, 1935

Amendments: Por, 1967.

Eurycletodes (O.) echinatus Lang, 1936

Amendments: Bodin, 1968b.

*Species novae**Eurycletodes (O.) monardi* (f) Smirnov, 1946

Description of the male: Schriever, 1986a.

Eurycletodes (O.) hoplurus (f) Smirnov, 1946*Eurycletodes (O.) uniarticulatus* (f) Smirnov, 1946*Eurycletodes (O.) irelandica* (f) Roe, 1959Synonym: *Eurycletodes* sp. Roe, 1958.*Eurycletodes (O.) parasimilis* Por, 1959*Eurycletodes (O.) ephippiger* (f) Por, 1964aSynonym: *E. knoepffleri* Soyer, 1964e (after Bodin, 1988).Description of the male: Soyer, 1964e (as *E. knoepffleri*).*Eurycletodes (O.) petiti* (f) Soyer, 1964a

Amendments: Soyer, 1964e.

Eurycletodes (O.) denticulatus (f) Por, 1967

Eurycletodes (O.) peruanus (f) Becker, Noodt & Schrieffer, 1979

Eurycletodes (O.) profundus (f) Becker, Noodt & Schrieffer, 1979

Eurycletodes (O.) quadrispinosa (f) Schrieffer, 1986a

Species incerta

Eurycletodes aff. *echinatus* (f) Lang *sensu* Por, 1965b

Nomen nudum

Eurycletodes sarsorum Por, 1965a

Genus *Argestes* Sars, 1910

Synonym (?): *Abyssameira* Itô, 1983. It seems that the presence of an internal seta on the proximal segment of the Enp. P1 proximal segment is an exception, only present in *Argestes mollis* Sars.

Species nova

Argestes reductus (m) (Itô, 1983)

Comb. nov. for *Abyssameira reducta* Itô, 1983

Genus *Leptocletodes* Sars, 1920

Species nova

Leptocletodes chaetophorus (f) Smirnov, 1946

Species incerta

Leptocletodes sp. (f) Soyer, 1964e

Genus *Argestigens* Willey, 1935

Genus very close to *Sarsameira* because of the difficulties to distinguish between the 'prehensile' or 'not prehensile' character of Enp. P1.

Species nova

Argestigens abyssalis (f) Becker, Noodt & Schrieffer, 1979

Genus *Odiliacletodes* Soyer, 1964e

Odiliacletodes gracilis (f) Soyer, 1964e

Genus *Corallicletodes* Soyer, 1966

Corallicletodes boutierei (f) Soyer, 1966

Genus *Hypalocletodes* Por, 1967

Hypalocletodes salomonis Por, 1967

Genus *Hypalocletodes aberrans* (f) (Marinov, 1973)

Comb. nov. (Marinov & Apostolov, 1985) for *Eurycletodes* (*E.*) *aberrans* Marinov, 1973c.

Amendments: Marinov & Apostolov, 1985.

Genus *Neoargestes* Drzycimski, 1967a

Neoargestes variabilis (f) Drzycimski, 1967a

Neoargestes incertus (f) Becker, Noodt & Schriever, 1979

Genus *Dizahavia* Por, 1979

Dizahavia halophila (f) Por, 1979

Genus close to *Fultonia*. It seems possible to include also *Argestes sarsi*, which was attributed to the genus *Fultonia* by Lang (1965b).

Genus *Megistocletodes* Por, 1986b

Megistocletodes translucens (f) Por, 1986b

Genera et species incertae sedis

Following genera were omitted or not defined at the time Por (1986a) presented the revision of the Cletodidae; they are not assigned to one of the new families.

Genus *Austrocletodes* Pallares, 1979

Austrocletodes tricomatosum Pallares, 1979

Genus *Pontocletodes* Apostolov, 1980b

Pontocletodes ponticus (f) Apostolov, 1980b

Amendments: Apostolov & Marinov, 1988.

Genus *Rosacletodes* Wells, 1985

Nom. nov. (Wells, 1985) for *Echinocletodes* Pallares, 1982a (preoccupied name).

Rosacletodes kuehnemanni (Pallares, 1982a)

Synonym: *Echinocletodes kuehnemanni* Pallares (after Wells, 1985).

Genus *Actinocletodes* Fiers, 1986f

Actinocletodes woutersi Fiers, 1986f

Cletodidae incerta et incerta sedis

Cletodidae gen. et sp. (f)? Wells, 1965b

In my opinion the specimen is immature.

Fam. ***ADENOPLEURELLIDAE** Huys, 1990d

This new family was placed in the superfamily **Laophontoidea** T. Scott.

Key to the genera: Huys, 1990d.

Genus ***Sarsocletodes*** Wilson, 1924

This genus was removed from the **Laophontidae** and allocated to the **Adenopleurellidae** by Huys (1990d).

Sarsocledodes typicus (Sars, 1920)

Redescription: Huys, 1990d.

Genus ***Miroslavia*** Apostolov, 1980b

This genus was removed from the **Cletodidae** and allocated to the **Adenopleurellidae** by Huys (1990d).

Miroslavia longicaudata (f) Apostolov, 1980b

Amendments: Apostolov & Marinov, 1988.

Genus ****Adenopleurella*** Huys, 1990d

Adenopleurella brevipes (f) Huys, 1990d

Genus ****Proceropes*** Huys, 1990d

Proceropes secunda (Smirnov, 1946)

Comb. nov. (Huys, 1990d) for *Sarsocletodes secundus* Smirnov, 1946.

Fam. **LAOPHONTIDAE** T. Scott, 1905

Nicholls' (1941b) revision of the family was rejected in Lang's monograph (1948, p. 1619-1621). Nicholls defined the subgenera *Laophonte* s. str., *Mesolaophonte*, *Metalaophonte*, *Neolaophonte* and *Monolaophonte* within the genus *Laophonte* Philippi. The genus *Laophontella* Thompson & A. Scott was transferred (although with reserves) to the **Tetragonicipitidae** by Lang (1965b).

Hicks (1988a) revised the Donsiellinae and removed this subfamily from the **Laophontidae** to the **Thalestridae**. Huys (1988d) reconsidered that the genus *Namakosiramia*, erected by Ho & Perkins (1977) and attributed to the Siphonostomatoida (Namakosiramiidae), and allocated the genus to the **Laophontidae**. The subfamily Normanellinae was upgraded by Huys & Willems (1989). Consequently the subdivision of the **Laophontidae** as proposed by Lang (1944) has 'no raison d'être' any more.

Genus *Laophonte* Philippi, 1840*Laophonte cornuta* Philippi, 1840

Fiers (1986d) provided a key to the species of the *cornuta*-group.

Amendments: Carvalho, 1952a; Pallares, 1968a; Wells & Rao, 1987; Huys, 1990c.

Redescription: Itô, 1968.

Laophonte thoracica Boeck, 1865

Amendments: Pesta, 1959; Griga, 1961; Apostolov & Marinov, 1988.

Redescription: Vervoort, 1962.

Laophonte longicaudata Boeck, 1865

Amendments: Marinov, 1977.

Laophonte setosa Boeck, 1865

Amendments: Dussart, 1967; Apostolov, 1973d; Apostolov & Marinov, 1988.

Laophonte elongata Boeck, 1872

Description of the male: Klie, 1941b; Noodt, 1958b.

Amendments: Vos, 1945; Pesta, 1959; Apostolov & Marinov, 1988.

Laophonte elongata triarticulata Monard, 1928

Amendments: Por, 1960a; Marinov, 1971; Apostolov & Marinov, 1988.

Laophonte elongata barbata Lang, 1934

Nom. nov. (Noodt, 1958b; Por, 1959) for *L. barbata* Lang, 1934.

Amendments: Por, 1959; Pallares, 1970 (as *L. barbata*); Kunz, 1975a.

Laophonte inornata A. Scott, 1902

Amendments: Noodt, 1955d; Hamond, 1969.

Laophonte parvula Sars, 1908

Amendments: Hamond, 1969; Bodin, 1979a; Apostolov & Marinov, 1988.

Laophonte sima Gurney, 1927

Description of the male: Klie, 1950.

Laophonte brevifurca Sars, 1920

Amendments: Griga, 1963.

Laophonte baltica Klie, 1929

Amendments: Chislenko, 1967.

Laophonte baltica baltica Drzycimsky, 1993*Laophonte inopinata* T. Scott, 1892

Description of the male: Klie, 1950.

Amendments: Chislenko, 1967 and 1977.

Laophonte dinocerata Monard, 1926

Species considered as a synonym of *L. inornata* by Lang (1948), but reinstated by Vervoort (1964), which was discussed by Hamond (1969).

Amendments: Pallares, 1975b; Wells & Rao, 1987.

Laophonte trilobata Willey, 1929

Amendments: Klie, 1950 (this species listed as '*incerta sedis*' in Lang, 1948).

*Species novae**Laophonte adduensis* (f) Sewell, 1940

Description of the male: Nicholls, 1944 and 1945a.

Laophonte foxi Harding, 1956

Amendments: Hamond, 1969.

The systematic position of this species was considered questionable by Lang (1965b) because of an incomplete description.

Laophonte leuke (Por, 1959)

Comb. nov. (Lang, 1965b) for *Paronychocamptus leuke* Por, 1959.

Laophonte pseudoculata Krishnaswamy, 1959

The hyphen in '*pseudo-oculata*' is not accepted by the International Code of Zoological Nomenclature.

The species was assigned to the subgenus *Mesolaophonte* by Krishnaswamy, 1959.

Vervoort (1964) allocated this species to the genus *Paralaophonte* Lang. However, Lang (1965b) kept it in the genus *Laophonte* but admitted that it does not fall within any species group.

Laophonte commensalis Raibaut, 1961

Recognizing Nicholls' classification (1941b), Raibaut assigned his species to the subgenus *Mesolaophonte*. Specimens living in association with crabs of the genus *Xantho* (Crustacea, Decapoda).

Laophonte vitiospinulosa Shen & Tai, 1963*Laophonte ciliata* Noodt, 1964

Species of the '*cornuta*'-group, after its author.

Laophonte ifalukensis Vervoort, 1964*Laophonte ifalukensis brevipes* (f) Vervoort, 1964

Laophonte spinicauda (f) (Vervoort, 1964)

Comb. nov. (Fiers, 1984a; Wells & Rao, 1987) for *Paralaophonte spinicauda* Vervoort, 1964.

Synonym: *Laophonte spinifer* Kunz, 1975b (after Wells & Rao, 1987).

Amendments: Coull, 1971a; Fiers, 1984a; Wells & Rao, 1987.

Description of the male: Coull, 1971a (as *Paralaophonte spinicauda*).

Laophonte acutirostris (f) Lang, 1965b*Laophonte adamsiae* Raibaut, 1966*Laophonte drachi* Médioni & Soyer, 1967a*Laophonte danversae* (f) Hamond, 1969

Species close to *L. drachi*, after its author (Hamond, 1969: addendum).

Description of the male: Hicks, 1982a.

Laophonte aldonae Chislenko, 1977*Laophonte euxiniphila* Soyer, 1977*Laophonte hirsutus* Pallares, 1979*Laophonte galapagoensis* Mielke, 1981a*Laophonte expansa* (f) Fiers, 1986d*Laophonte plana* (f) Fiers, 1986d

The last two species belong to the 'cornuta' group, after their author, who provided a key to the species of this species group.

Laophonte lignosa Hicks, 1988b*Species incertae et incertae sedis**Laophonte macani* (f) Sewell, 1940

Because of an incomplete description, the systematic position of this species is doubtful, after Lang (1965b).

Laophonte laurentica Nicholls, 1941b, 1942b

Based on an abnormal female and a single male, this species seemed doubtful to Lang (1965b) who assumed relationships with the genus *Heterolaophonte* Lang, but advised to ignore this species.

Laophonte arenicola (m) Nicholls, 1941b, 1942b

Because of an incomplete description, the systematic position of this species is impossible to clarify, after Lang (1965b).

Laophonte lamellipes Nicholls, 1944

This species needs be allocated to the genus *Esola* Edwards, as it resembles closely *Esola typhlops* (Sars), after Lang (1965b).

Laophonte cornuta Philippi *nigrocincta* Nicholls, 1944

This variety probably has to be abandoned and has to be considered as a synonym of *L. cornuta*, as well as *L. cornuta dentioperculata* Lang (in Lang, 1965b).

Laophonte farrani Roe, 1958

Despite a good description, the systematic position of *L. farrani* is impossible to deduce, after Lang (1965b), who marked that this species cannot be assigned to any known genus.

Laophonte sp. (f)? de Pesta, 1959

Only an abdomen was found by Pesta; consequently it seems absolutely impossible to deduce the taxonomic position of this specimen.

Laophonte sp. 1 (f), sp. 2 and sp. 3 (f) de Griga, 1961

Laophonte sp. (m) Wells, 1963b

Laophonte sp. (f) Vilela, 1965

Laophonte confusa Decho & Fleeger, 1986

After examination of the type series, F. Fiers (*in litt.*) confirmed that the male and female described under this name are not conspecific (Hicks, 1988b, footnote p. 449).

Genus *Pseudonychocamptus* Lang, 1944

Key to the species: Lang, 1965b (p. 455); Ceccherelli, 1988.

Pseudonychocamptus koreni (Boeck, 1872)

Amendments: Pesta, 1959; Chislenko, 1967.

Pseudonychocamptus proximus (Sars, 1908)

Amendments: Mielke, 1975. According to Mielke, *Ps. paraproximus* Lang 1965b probably is a synonym of this species.

Pseudonychocamptus abbreviatus (Sars, 1920)

Description of the male: Drzycimski, 1969.

Species novae

Pseudonychocamptus spinifer Lang, 1965b

Amendments: Letova, 1982.

Pseudonychocamptus carthyi (f) Hamond, 1968

Pseudonychocamptus marinovi (f) Apostolov & Petkovski, 1980

Pseudonychocamptus colomboi Ceccherelli, 1988

Species incerta

Pseudonychocamptus paraproximus Lang, 1965b

Species probably synonymous with *Ps. proximus*, after Mielke, 1975.

Genus *Heterolaophonte* Lang, 1944

Key to the species: Lang, 1965b (p. 468).

Species of the 'quinquespinosa' group were removed from the genus and assembled in a new genus (*Quinquelaophonte*) by Wells, Hicks & Coull (1982).

Heterolaophonte stroemi (Baird, 1834)

Amendments: Vos, 1945 (as *Laophonte curticauda* Boeck) ; Apostolov & Marinov, 1988.

Heterolaophonte stroemi brevicaudata (Monard, 1928)

Description of the male: Noodt, 1955a.

Amendments: Klie, 1941c (as *Laophonte brevicaudata*); Marinov, 1971; Apostolov & Marinov, 1988.

Redescription: Noodt, 1955a.

Heterolaophonte uncinata (Czerniavski, 1868)

Synonym: *Laophonte vietsi* Klie, 1941c (after Noodt, 1955a; Marcus & Por, 1960; Lang, 1965b).

Amendments: Petkovski, 1954; Marcus & Por, 1960; Apostolov & Marinov, 1988.

Heterolaophonte minuta (Boeck, 1872)

Amendments: Vos, 1945 (as *Laophonte minuta*); Chislenko, 1967; Letova, 1982; Dahms, 1989.

Redescription: Willen, 1992.

Heterolaophonte littoralis (T. & A. Scott, 1893)

Amendments: Chislenko, 1967.

Heterolaophonte curvata (Douwe, 1929)

Amendments: Por, 1960a; Marinov, 1971; Apostolov, 1973d; Apostolov & Marinov, 1988.

Heterolaophonte discophora (Willey, 1929)

Synonym: *H. rotundipes* Chappuis, 1958 (after Lang, 1965b and Itô, 1974).

Redescription: Lang, 1965b; Itô, 1974.

Heterolaophonte campbelliensis (Lang, 1934)

Redescription: Pallares, 1968b.

Heterolaophonte tenuispina (Lang, 1934)

Redescription: Pallares, 1968b.

Heterolaophonte pauciseta (Lang, 1936)

Amendments: Pallares, 1968a.

Species novae

Heterolaophonte mendax (Klie, 1939, 1941)

Comb. nov. (Lang, 1965b) for *Laophonte mendax* Klie, 1939, 1941a.

Heterolaophonte longisetigera Klie, 1950

Originally described as a form of *H. littoralis*, Boer (1971) raised it to species rank (which was already assumed by Lang, 1965b).

Synonym: *Laophonte littoralis* (T. & A. Scott) var. *sensu* Monard, 1935 (after Klie, 1950 and Lang, 1965b).

Amendments: Boer, 1971.

Heterolaophonte hamatus (f) Jakobi, 1954a

Redescription of the female and description of the male: Yeatman, 1975.

Heterolaophonte stroemi (Baird) *paraminuta* Noodt, 1955d

Amendments: Kunz, 1975a; Apostolov & Marinov, 1988.

Heterolaophonte furcata (f) Noodt, 1958b

Amendments: Marinov, 1977.

Heterolaophonte brevipes Roe, 1958*Heterolaophonte denticulata* Roe, 1958*Heterolaophonte curvata* (Douwe) *micrarthros* (f) Marcus and Por, 1960

Amendments: Marinov, 1971; Apostolov, 1973d; Apostolov & Marinov, 1988.

Heterolaophonte variabilis Lang, 1965b*Heterolaophonte norvegica* Drzycimski, 1968a*Heterolaophonte hamondi* Hicks, 1975

Synonym (?): *Heterolaophonte bisetosa* (f) Mielke, 1975. After Mielke, the male described as *Heterolaophonte* sp. by Wells (1961) could be the male of *H. bisetosa*, consequently the male of *H. hamondi*.

Heterolaophonte tupitskyi (f) Chislenko, 1976*Heterolaophonte serratula* Mielke, 1981a*Heterolaophonte murmanica* Letova, 1982*Heterolaophonte wellsi* Letova, 1982

This species was renamed *H. letovae* by Huys (1990c) because of a supposed preoccupation of the species name by *H. wellsi* Hamond (1973). But, as this latter species has been transferred to the genus *Quinquelaophonte* by Wells, Hicks & Coull (1982), *H. wellsi* Letova is a valid name and *H. letovae* becomes a junior synonym.

Synonym (?): *Heterolaophonte* sp. Wells (1961), after Letova (1982). But Mielke (1975) thought that the male described by Wells could be either the male of *H. bisetosa* Mielke (1975) or *H. hamondi* Hicks.

*Species incertae**Heterolaophonte laurentica* (Nicholls, 1941)

Comb. nov. (Lang, 1965b) for *Laophonte laurentica* Nicholls, 1941b, but considered questionable by Lang (1965b).

Heterolaophonte manifera (Wilson) *sulamericana* Jakobi, 1954a

This subspecies was not accepted by Lang (1965b).

Heterolaophonte sp. (f) Roe, 1959Genus *Paronychocamptus* Lang, 1944

Key to males: Lang, 1965b (p. 486).

Key to the species: Coull, 1976a.

Paronychocamptus curticaudatus (Boeck, 1865)

Amendments: Mielke, 1975.

Paronychocamptus nanus (Sars, 1908)

Amendments: Heip, 1969.

*Species novae**Paronychocamptus proprius* (m) Lang, 1965b

Species assigned to the genus *Paronychocamptus* with reserves.

Paronychocamptus connexus Pallares, 1979*Paronychocamptus anomalus* Ranga Reddy, 1984aGenus *Paralaophonte* Lang, 1944

Key to the species: Lang, 1965b; Wells, Hicks & Coull, 1982.

Paralaophonte brevirostris (Claus, 1863)

Amendments: Noodt, 1955d; Petkovski, 1955b; Pesta, 1959; Candeias, 1959; Marinov, 1971; Apostolov, 1973b; Hamond, 1973c; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Redescription: Yeatman, 1970.

Paralaophonte perplexa (T. Scott, 1898)

Amendments: Chislenko, 1967.

Paralaophonte meinerti (Brady, 1899)

Redescription of the female: Pallares, 1968b.

Paralaophonte congenera (Sars, 1908)

Amendments: Nicholls, 1945a (as *Laophonte* (*Laophonte*) *congenera*); Yeatman, 1962; Hamond, 1973c.

Redescription of the male: Yeatman, 1962; Hamond, 1969.

Paralaophonte congenera (Sars) *mediterranea* Monard, 1935

Amendments: Apostolov & Marinov, 1988.

Paralaophonte macera (Sars, 1908)

Amendments: Chislenko, 1967 and 1977.

Paralaophonte hyperborea (Sars, 1909)

Amendments: Mielke, 1974; Chislenko, 1977.

Paralaophonte gracilipes (Brady, 1910)

Amendments: Pallares, 1968a.

Paralaophonte karmensis (Sars, 1911)

Amendments: Chislenko, 1967.

Paralaophonte quaterspinata (Brian, 1917)

Amendments: Pesta, 1959.

Paralaophonte octavia (Monard, 1935)

Amendments: Apostolov & Marinov, 1988.

Paralaophonte dieuzeidei (Monard, 1936)

Description of the male: Bodin, 1964.

Species novae

Paralaophonte lacerdai Jakobi, 1953a

Paralaophonte obscura Vervoort, 1962

Paralaophonte pilosoma (m) Vervoort, 1964

Paralaophonte majae Petkovski, 1964a

Species found in the branchial cavities of *Maja squinado* Herbst (Crustacea, Decapoda).

Paralaophonte asellopsiformis Lang, 1965b

Paralaophonte pacifica Lang, 1965b

Paralaophonte pacifica Lang *galapagoensis* Mielke, 1981a

Paralaophonte ormieresii Raibaut, 1968

Paralaophonte sculpta (f) Hamond, 1973c

Paralaophonte spitzbergensis Mielke, 1974

Paralaophonte innae Chislenko, 1977

Paralaophonte problematica Mielke, 1981a

Paralaophonte panamensis Mielke, 1982a

Paralaophonte aenigmaticum Wells, Hicks & Coull, 1982

Paralaophonte echinata Fiers, 1986d

Species incerta

Paralaophonte aff. *taurina* (Monard) *sensu* Por, 1964a

Por did not describe the specimens. However, Petkovski (1964a) (based upon examination of Por's material?) assumed that this form is conspecific with *P. majae* Petkovski.

Genus *Asellopsis* Brady & Robertson, 1873

Asellopsis hispida Brady & Robertson, 1873

Amendments: Mielke, 1975.

Asellopsis intermedia (T. Scott, 1895)

Amendments: Klie, 1950; Bodin, 1970; Mielke, 1975.

Asellopsis duboscqui Monard, 1926

Amendments: Bodin, 1964; Vilela, 1965; Marinov, 1971; Apostolov, 1973b; Apostolov & Marinov, 1988.

Redescription: Dinét, 1971.

Asellopsis sarmatica Jakubisiak, 1938

Redescription: Por, 1960a.

*Species novae**Asellopsis littoralis* Nicholls, 1940*Asellopsis arenicola* Chappuis, 1954b*Asellopsis chappuisius* Krishnaswamy, 1957a

Amendments: Rao & Ganapati, 1969b.

Asellopsis bacescui Por, 1959, 1964a*Asellopsis penicillata* Por, 1964aGenus *Platychelipus* Sars, 1908*Platychelipus littoralis* Brady, 1880

Amendments: Barnett, 1966; Huys, 1990c.

Platychelipus laophontoides Sars, 1908

Amendments: Barnett, 1966; Letova, 1982.

Genus *Esola* Edwards, 1891*Esola longicauda* Edwards, 1891

Amendments: Nicholls, 1945a (as *Laophonte rhodiaca* Brian); Noodt, 1955d; Hamond, 1969; Wells & Rao, 1987.

Esola longiremis (T. Scott, 1904)

Description of the male: Wells, 1961.

Esola bulligera (Farran, 1913)

Redescription: Vervoort, 1962.

Esola typhlops (Sars, 1920)

Amendments: Drzycimski, 1969.

Esola rosei (Monard, 1926)

Description of the male: Pesta, 1959.

*Species novae**Esola typhlops* (Sars) *pontoica* (f) Por, 1959, 1964a*Esola longicauda* Edwards *galapagoensis* Mielke, 1981a

This subspecies is considered invalid by Wells & Rao, 1987.

Species incertae

Esola longicauda Edwards var. (m) *sensu* Vervoort, 1964

Esola sp. (m) Chislenko, 1967

Genus *Pseudolaophonte* A. Scott, 1896

Key to the species: Bodin, 1977.

Species novae

Pseudolaophonte proteus Klie, 1950

Pseudolaophonte glemareci Bodin, 1977

Genus *Onychocamptus* Daday, 1903

Following the creation of the genera *Echinolaophonte* Nicholls, *Klieonychocamptus* Noodt and *Folioquinpes* Fiers & Rutledge, several species initially assigned to *Onychocamptus* were allocated to them.

Onychocamptus mohammed (Blanchard & Richard, 1891)

Amendments: Veldre & Maesmets, 1956 (as *Laophonte mohammed*); Serban & Plesa, 1957; Shen & Tai, 1962 (as *Laophonte mohammed*); Dussart, 1967; Apostolov, 1973b and 1973e; Apostolov & Marinov, 1988.

Onychocamptus bengalensis (Sewell, 1934)

Amendments: Song & Chang, 1995.

Redescription: Hamond, 1973a.

Species novae

Onychocamptus taifensis Kikuchi, Dai & Ito, 1993

Freshwater species.

Onychocamptus krusensterni Schizas & Shirley, 1994a

Species incerta

Onychocamptus besnardi Jakobi, 1954a

After Lang (1965b), this species probably represents a form of *O. mohammed*.

Genus *Laophontina* Norman & T. Scott, 1905

Key to the species: Coull & Zo, 1980; Cottarelli, 1983; Fiers, 1986a, 1991c.

Laophontina dubia Norman & T. Scott, 1905

Synonym: *Laophontina paradubia* Cottarelli, 1983 (after Fiers, 1991c).

Redescription: Geddes, 1982; Fiers, 1991c.

*Species novae**Laophontina acantha* (m) Noodt, 1955c

Description of the female: Wells & Clark, 1965.

Amendments: Wells, 1967 (without illustration).

Redescription: Fiers, 1991c.

Laophontina noodti (f) Kunz, 1983*Laophontina posidoniae* Fiers, 1986a

Amendments: Fiers, 1991c.

Laophontina sensillata Wells & Rao, 1987Genus *Harrietella* T. Scott, 1906*Harrietella simulans* (T. Scott, 1894)

Amendments: Vervoort, 1950; Coull & Lindgren, 1969; Hicks, 1989.

Redescription: Pinkster, 1968.

Genus *Hemilaophonte* Jakubisiak, 1932*Hemilaophonte janinae* Jakubisiak, 1932

Redescription: Fiers, 1992b.

Genus *Echinolaophonte* Nicholls, 1941a

Genus created by Nicholls unifying the species of the 'horridus'-group of the genus *Onychocamptus* (Lang, 1948, p. 1620).

Key to the species: Lang (1965b, p. 508).

Echinolaophonte horrida (Norman, 1876)

Amendments: Chislenko, 1967 and 1977 (as *Onychocamptus horridus*).

Echinolaophonte brevispinosa (Sars, 1908)*Echinolaophonte armiger* (Gurney, 1927)

Synonym: *E. armiger typica* Lang, 1965b (after Bodin, 1979a).

Amendments: Nicholls, 1945a; Carvalho, 1952a (as *Laophonte armiger*); Pesta, 1959 (as *Onychocamptus armiger*); Marinov, 1977 (as *Onychocamptus armiger*).

Echinolaophonte mirabilis (Gurney, 1927)

Amendments and description of the male: Wells & Rao, 1987.

*Species novae**Echinolaophonte gladiator* (f) (Vervoort, 1964)

Comb. nov. (Lang, 1965b) for *Onychocamptus gladiator* Vervoort, 1964.

Echinolaophonte armiger briani Lang, 1965b

Echinolaophonte oshoroensis Itô, 1969

Echinolaophonte tropica Ummerkutty, 1970

Amendments: Wells & Rao, 1987.

Echinolaophonte tetracheir Mielke, 1981a

Echinolaophonte minuta Cottarelli & Forniz, 1991

Echinolaophonte veniliae Cottarelli, Forniz & Bascherini, 1992

Genus *Pilifera* Noodt, 1952b

Genus created by Noodt for *Laophonte gracilis* T. Scott (1903), a species that Lang (1948) previously attributed to the genus *Pseudonychocampus* Lang.

Pilifera gracilis (T. Scott, 1903)

Description of the male (?): Noodt, 1952b. But Lang (1965b) assumed that Noodt's specimens could be a subspecies of *P. gracilis*.

Genus *Mourephonte* Jakobi, 1953a

Genus created by Jakobi for *Mourephonte catharinensis* Jakobi (1953a). Lang (1965b), accepting the genus, noticed that *M. catharinensis* is a synonym of *Laophonte longiseta* Nicholls (1941a). Consequently, the genus *Mourephonte* has the following species as type-species:

Mourephonte longiseta (m) (Nicholls, 1941a)

Synonym: *M. catharinensis* Jakobi, 1953a.

Vervoort (1964) assumed that this male is conspecific with *Esola longicauda* Edwards.

Genus *Loureiophonte* Jakobi, 1953a

This genus considered as doubtful by Vervoort (1964) and Lang (1965b), was accepted by Mielke (1981a) who added a new species. Fiers (1993) distinguished three species groups within the genus: *catharinensis*, *cesareae* and *subterranea*.

Key to the species: Fiers, 1993.

◆ 'catharinensis' group:

Loureiophonte catharinensis Jakobi, 1953a

Loureiophonte paranaensis (f) Jakobi, 1953a

Loureiophonte isabelensis Mielke, 1981a

Loureiophonte furcata (m) Fiers, 1993

Loureiophonte laingensis Fiers, 1993

Loureiophonte majahualensis Fiers, 1993

◆ 'cesareae' group:

Loureiophonte cesareae (Por, 1964a)

Comb. nov. (Fiers, 1993) for *Laophonte cesareae* Por, 1964a.

Amendments: Fiers, 1993.

Loureiophonte majacola Fiers, 1993

Loureiophonte mediterranea Fiers, 1993

♦ 'subterranea' group:

Loureiophonte subterranea (Lang, 1965b)

Comb. nov. (Fiers, 1993) for *Paralaophonte subterranea* Lang, 1965b.

Genus *Mictyricola* Nicholls, 1957

Mictyricola typica Nicholls, 1957

Mictyricola proxima Nicholls, 1957

These two species were collected from soldier crabs of the genus *Mictyris* (Crustacea, Decapoda).

Genus *Klieonychocamptoides* Noodt, 1958b

Genus created by Noodt to assemble some species of the genus *Laophontina* Norman & T. Scott. However, in Lang's opinion (1965b) this genus should be limited to the following two species:

Klieonychocamptoides arenicola (Chappuis & Delamare Deboutteville, 1956)

Comb. nov. (Noodt, 1958b) for *Laophontina arenicola* Chappuis & Delamare Deboutteville, 1956.

Amendments: Rao & Ganapati, 1969b (misspelt as *Kleionychocamptoides arenicola*).

Klieonychocamptoides remanei Noodt, 1958b

Amendments: Rao & Ganapati, 1969b (misspelt as *Kleionychocamptoides remanei*).

The two other species initially assigned to this genus by Noodt (1958b), namely *Laophontina brevipes* Chappuis (1954b) and *Laophontina renaudi* Chappuis & Delamare Deboutteville (1956), are transferred to the genus *Afroloaophonte* Chappuis (1960) by Lang (1965b).

Klieonychocamptoides arganoi Cottarelli & Mura, 1980

Amendments: Wells & Rao, 1987.

Klieonychocamptoides itoi Mielke, 1981a

Genus *Klieonychocamptus* Noodt, 1958b

Erected for the species *Laophonte kliei* Monard and comprises the other species of the 'kliei' group of the genus *Onychocamptus sensu* Lang (1948). The genus did not seem 'natural' to Lang (1965b, p. 446). It comprises the following species:

Klieonychocamptus kliei (Monard, 1935)

Synonym: *Onychocamptus kliei* (Monard) *sensu* Lang, 1948.

Description of the male: Noodt, 1955c; Wells, 1961; Marinov, 1971 (all as *Onychocamptus kliei*).

Amendments: Serban & Plesa, 1957 (as *Onychocamptus kliei*) ; Apostolov & Marinov, 1988.

Klieonychocamptus kliei adriaticus (Petkovski, 1954)

Comb. nov. (Vervoort, 1964) for *Onychocamptus kliei adriatica* Petkovski, 1954.

Amendments: Serban and Plesa, 1957 (as *Onychocamptus kliei adriatica*); Apostolov, 1973b; Kunz, 1975; Apostolov & Marinov, 1988.

Klieonychocamptus kliei confluens Noodt, 1958b

Klieonychocamptus kliei ponticus Marcus, 1971

Marcus (1971) gave a key to the subspecies of *K. kliei*.

Klieonychocamptus ponticus (Serban & Plesa, 1957)

Comb. nov. (Vervoort, 1964) for *Onychocamptus ponticus* Serban & Plesa, 1957.

Synonym: *K. diarticulatus* Noodt, 1958b (after Lang, 1965b and Marcus, 1971).

Amendments: Kunz, 1983; Wells & Rao, 1987; Apostolov & Marinov, 1988.

Klieonychocamptus discipes Noodt, 1958bGenus *Afrolaophonte* Chappuis, 1960

In a overview of the harpacticoids from Chile, George (1996), misspelt the generic name as *Aphrolaophonte*.

Key to the species and revision of the genus: Cottarelli & Mura, 1982; Fiers, 1990a.

Afrolaophonte brevipes (Chappuis, 1954)

Comb. nov. (Lang, 1965b) for *Laophontina brevipes* Chappuis, 1954b.

Synonym: *Klieonychocamptoides brevipes* (Chappuis, 1954) *sensu* Noodt, 1958b.

Afrolaophonte renaudi (f) (Chappuis & Delamare Deboutteville, 1956)

Comb. nov. (Lang, 1965b) for *Laophontina renaudi* Chappuis & Delamare Deboutteville, 1956.

Synonym: *Klieonychocamptoides renaudi* (Chappuis & Delamare Deboutteville, 1956) *sensu* Noodt, 1958b.

Afrolaophonte monodi Chappuis, 1960*Afrolaophonte pori* Masry, 1970

Redescription: Cottarelli, Forniz & Bascherini, 1992.

Afrolaophonte schmidtii Mielke, 1981a

Amendments: Mielke, 1982a.

Afrolaophonte michaelae Cottarelli & Mura, 1982*Afrolaophonte aequatorialis* Cottarelli & Mura, 1982*Afrolaophonte leonis* (f) Cottarelli & Mura, 1982*Afrolaophonte chilensis* Mielke, 1985c

Generic name misspelt as *Aphrolaophonte* in George (1996, p. 83).

Afrolaophonte brignolii Cottarelli, 1986*Afrolaophonte michae* (f) Cottarelli, 1986*Afrolaophonte ensiger* Wells & Rao, 1987

Species very close (synonym ?) to *A. aequatorialis* known from the Maldives (Cottarelli & Mura, 1982).

Afrolaophonte stocki Fiers, 1990a

Genus *Microlaophonte* Vervoort, 1964

Microlaophonte spongicola (f) Vervoort, 1964

Microlaophonte trisetosa Boxshall, 1976

Genus *Arenolaophonte* Lang, 1965b

Arenolaophonte stygia Lang, 1965b

Genus *Stygolaophonte* Lang, 1965b

Stygolaophonte arenophila Lang, 1965b

Genus *Psammolaophonte* Wells, 1967

Psammolaophonte spinicauda Wells, 1967

Genus *Tapholeon* Wells, 1967

Tapholeon ornatus Wells, 1967

Tapholeon uniarticulatus Wells, 1967

Genus *Apolethon* Wells, 1967

Apolethon fumator Wells, 1967

Apolethon trigonus (f) Shen & Tai, 1973

Apolethon bilobatus (f) Shen & Tai, 1973

Genus *Platylaophonte* Bodin, 1968a

Synonym: *Laophontidae* gen. et sp.? Bodin, 1964.

Platylaophonte delamarei Bodin, 1968a

Genus *Coullia* Hamond, 1973c

Coullia platychelipusioides (f) (Noodt, 1958)

Comb. nov. (Hamond, 1973c) for *Laophonte? platychelipusioides* Noodt, 1958b.

Coullia clysmæ (f) (Por & Marcus, 1972)

Comb. nov. (Fiers, 1992b) for *Hemilaophonte clysmæ* Por & Marcus, 1972.

Coullia heteropus (f) Hamond, 1973c

Genus *Hoplolaophonte* Hamond, 1973c

Hoplolaophonte aculeata Hamond, 1973c

Genus *Phycolaophonte* Pallares, 1975a

Phycolaophonte insularis Pallares, 1975a

Amendments: Mielke, 1985c.

Genus *Mexicolaophonte* Cottarelli, 1977b

Genus close to genera *Klieonychocamptoides*, *Afroloaophonte* and *Laophontina*.

Mexicolaophonte arganoi Cottarelli, 1977b

Amendments: Fiers, 1986d.

Mexicolaophonte osellai (f) Cottarelli, 1986

Mexicolaophonte mielkei Fiers, 1991c

Comb. nov. (Fiers, 1991c) for ? *Laophontina* sp. (m) Mielke, 1982a

Mexicolaophonte creola (m) Cottarelli & Forniz, 1990

Genus **Namakosiramia* Ho & Perkins, 1977

Namakosiramia californiensis (f) Ho & Perkins, 1977

Parasite of the holothurid *Stichopus parvimensis*, this species was classified in a new Siphonostomatoida family by its authors: the Namakosiramiidae. But Ho (1986) discussed the possible affinities with the Harpacticoida. Huys (1988d) redescribed the species and allocated it effectively to the **Laophontidae** (Laophontinae).

Genus *Galapalaophonte* Mielke, 1981a

Key to the species: Fiers, 1991c.

Galapalaophonte pacifica Mielke, 1981a

Synonym: *Laophontina triarticulata* Coull & Zo, 1980 (part.), after Fiers, 1991c.

Amendments: Mielke, 1982a (as *Laophontina triarticulata*); Fiers, 1991c.

Galapalaophonte triarticulata (Coull & Zo, 1980)

Comb. nov. (Fiers, 1991c) for *Laophontina triarticulata* Coull & Zo, 1980 (part.).

Redescription: Fiers, 1991c.

Galapalaophonte variabilis (f) (Coull & Zo, 1980)

Comb. nov. (Fiers, 1991c) for *Laophontina variabilis* Coull & Zo, 1980. Wells & Rao's (1987) advanced the opinion to consider this species as 'incerta sedis' in the genus *Galapalaophonte*.

Amendments: Fiers, 1991c.

Galapalaophonte carolinensis Fiers, 1991c

Synonym: *Laophontina triarticulata* Coull & Zo, 1980 (part.).

Galapalaophonte chilensis Fiers, 1991c

Synonyms: *Laophontina triarticulata* Coull & Zo, 1980 *sensu* Mielke, 1985c and *Laophontina triarticulata* Fiers, 1986a (part.), after Fiers, 1991c.

Galapalaophonte biarticulata Fiers, 1991c*Galapalaophonte antillensis* Fiers, 1991cGenus *Quinquelaophonte* Wells, Hicks & Coull, 1982

Genus created to assemble the 'quinespinosa' species group of the genus *Heterolaophonte* Lang.

Key to the species and table enlisting taxonomic features: Wells, Hicks & Coull, 1982.

Quinquelaophonte quinespinosa (Sewell, 1924)

Comb. nov. (Wells, Hicks & Coull, 1982) for *Laophonte quinespinosa* Sewell, 1924, which become thus the type-species of the genus.

Synonyms: *Heterolaophonte quinespinosa* (Sewell) de Lang, 1948.

Heterolaophonte sigmoides (Willey, 1930) *sensu* Por (1973), Wells & McKenzie (1973) and Hamond (1973a).

Amendments: Candeias, 1959 (as *Heterolaophonte quinespinosa*); Wells & Rao, 1987.

Redescription: Por, 1973; Wells & McKenzie, 1973 (as *Heterolaophonte quinespinosa*); Hamond, 1973a (as *H. sigmoides*).

Quinquelaophonte capillata (m) (C.B. Wilson, 1932)

Comb. nov. (Wells, Hicks & Coull, 1982) for *Laophonte capillata* C.B. Wilson, 1932.

Synonyms: *Paronychocamptus capillatus* (C.B. Wilson) *sensu* Lang, 1948.

Paronychocamptus wilsoni Coull, 1976a.

Heterolaophonte noncapillata Lang, after Coull, 1976a.

Amendments: Coull, 1986.

*Species novae**Quinquelaophonte longifurcata* (Lang, 1965)

Comb. nov. (Wells, Hicks & Coull, 1982) for *Heterolaophonte longifurcata* Lang, 1965b.

Quinquelaophonte parasigmoides (Bozic, 1969)

Comb. nov. (Wells, Hicks & Coull, 1982) for *Heterolaophonte parasigmoides* Bozic, 1969b.

Synonym: *Heterolaophonte sigmoides* (Willey) *sensu* Bozic, 1964a (after Bozic, 1969b).

Quinquelaophonte wellsi (Hamond, 1973)

Comb. nov. (Wells, Hicks & Coull, 1982) for *Heterolaophonte wellsi* Hamond, 1973a.

Synonym: *Heterolaophonte* sp. nov. *sensu* Bayly, 1970.

Quinquelaophonte candelabrum Wells, Hicks & Coull, 1982

Synonym: *Heterolaophonte* sp. Coull & Wells, 1981 (after the authors).

Genus *Novolaophonte* Cottarelli, Saporito & Puccetti, 1983a*Novolaophonte viatorum* Cottarelli, Saporito & Puccetti, 1983a

Genus *Chilaophonte* Mielke, 1985c

Chilaophonte maiquillahuensis Mielke, 1985c

Chilaophonte concepcionensis Mielke, 1985c

Genus *Maiquilaophonte* Mielke, 1985c

Maiquilaophonte uachi Mielke, 1985c

Genus *Lipomelum* Fiers, 1986d

Synonym: **Apolaophonte* Wells & Rao, 1987 (personally confirmed by F. Fiers).

Lipomelum adriaticum (Petkovski, 1955)

Comb. nov. (Fiers, 1986d) for *Laophonte adriatica* Petkovski, 1955a.

Amendments: Kunz, 1975a (as *Laophonte adriatica*).

Lipomelum heteromelum Fiers, 1986d

Comment: This species looks very close to *L. hispidum* (Wells & Rao, 1987).

Lipomelum variabile (f) Fiers, 1986d

Lipomelum hispidum (Wells & Rao, 1987)

Comb. nov. for *Apolaophonte hispida* Wells & Rao, 1987.

Comment: This species seems very close (synonym?) to *L. heteromelum* Fiers, 1986d.

Genus *Indolaophonte* Cottarelli, Saporito & Puccetti, 1986b

Indolaophonte ramai Cottarelli, Saporito & Puccetti, 1986b

Indolaophonte gemmarum Cottarelli & Puccetti, 1988

Genus **Langia* Wells & Rao, 1987

Langia maculata Wells & Rao, 1987

Genus **Raptolaophonte* Cottarelli & Forniz, 1989

Raptolaophonte ardua Cottarelli & Forniz, 1989

Genus **Folioquinpes* Fiers & Rutledge, 1990

Synonym: *Onychocamptus* (part.) after Fiers & Rutledge, 1990.

Folioquinpes chathamensis (Sars, 1904)

Comb. nov. for *Onychocamptus chathamensis* Sars, 1904 (after Fiers & Rutledge, 1990).

Synonym: *Onychocamptus* sp. (f) Mielke, 1981a (after Fiers & Rutledge, 1990).

Folioquinpes mangalis Fiers & Rutledge, 1990

Genus **Xanthilaophonte* Fiers, 1991a

Species of this genus are living between the hairs on the carapax of xanthid crabs.

Xanthilaophonte trispinosa (f) (Sewell, 1940)

Comb. nov. (Fiers, 1991a) for *Laophonte trispinosa* Sewell, 1940. Noodt (1958b) and Lang (1965b), assumed that this species should be assigned either to the genus *Onychocamptus* Daday or to the genus *Klieonychocamptus* Noodt, while Sewell stressed the similarities with the species now unified within the genus *Echinolaophonte* Nicholls.

Redescription: Fiers, 1991a (including copepodid development).

Xanthilaophonte carcinicola Fiers, 1991aGenus **Wellsiphontina* Fiers, 1991c*Wellsiphontina distincta* (Wells, 1967)

Comb. nov. (Fiers, 1991c) for *Laophontina distincta* Wells, 1967.

Amendments: Fiers, 1991c.

Wellsiphontina striata Fiers, 1991c

Designated as type-species of the genus by Fiers (1991c).

Genus **Amerolaophontina* Fiers, 1991c*Amerolaophontina reducta* (Coull & Zo, 1980)

Comb. nov. (Fiers, 1991c) for *Laophontina reducta* Coull & Zo, 1980.

Redescription: Fiers, 1991c.

Genus **Robustunguis* Fiers, 1992c

Genus close to *Coullia* Hamond (1973c), after Fiers (1992c).

Species of this genus are living between the hairs on the carapax of xanthid crabs.

Robustunguis unguatus Fiers, 1992c*Robustunguis minor* Fiers, 1992cGenus **Elapholaophonte* Schizas & Shirley, 1994c*Elapholaophonte decaceros* (m) Schizas & Shirley, 1994cGenus **Archilaophonte* Willen, 1995

Genus close to *Esola* Edwards, after its author.

Archilaophonte maxima Willen, 1995Genus **Cornylaophonte* Willen, 1996a*Cornylaophonte pleisteri* Willen, 1996a

Genus **Weddellaophonte* Willen, 1996a

Weddellaophonte anyae Willen, 1996a

Fam. ***LAOPHONTOPSIDAE** Huys & Willems, 1989

Synonyms: **Canthocamptidae** Brady, 1880 (part.), **Laophontidae** T. Scott, 1905 (part.) and **Normanellinae** Lang, 1944 (part.), after Huys & Willems, 1989.

Key to the genera: Huys & Willems, 1989.

Genus *Laophontopsis* Sars, 1908

Synonyms: *Cleta* Claus, 1863 (preoccupied name for lepidopterans in 1845) and *Laophonte* Philippi, 1840 (part.), after Huys & Willems, 1989.

Key to the species: Huys & Willems, 1989.

Laophontopsis lamellifera (Claus, 1863)

Synonym: *Cleta lamellifera* Claus (1863), after Huys & Willems, 1989.

Laophontopsis borealis Huys & Willems, 1989

Synonyms: *Laophontopsis lamellifera* Sars, 1908 Sars and *Cleta lamellifera* Claus, 1863 *sensu* many authors (cf. Huys & Willems, 1989, p. 207).

Laophontopsis monardi Huys & Willems, 1989

Synonym: *Laophontopsis lamellifera* Sars *sensu* Monard, 1928 *nec* (Claus, 1863).

Genus **Aculeopsis* Huys & Willems, 1989

Synonyms: *Cleta* Claus, 1863 (part.) and *Laophontopsis* Sars, 1908 (part.), after Huys & Willems, 1989.

Aculeopsis longisetosa Huys & Willems, 1989

Synonym: *Cleta lamellifera* Claus *sensu* Bodin (1964), after Huys & Willems, 1989.

Redescription: Huys & Willems, 1989.

Genus **Telodocus* Huys & Willems, 1989

Synonyms: *Cleta* Claus, 1863 (part.) and *Laophontopsis* Sars, 1908 (part.), after Huys & Willems, 1989.

Telodocus secundus (Sewell, 1924)

Comb. nov. (Huys & Willems, 1989) for *Cleta secunda* Sewell, 1924.

Fam. ***CRISTACOXIDAE** Huys, 1990c

Genus *Noodtorthopsyllus* Lang, 1965b

Noodtorthopsyllus psammophilus (Noodt, 1955)

Comb. nov. (Lang, 1965b) for *Orthopsyllus psammophilus* Noodt, 1955a.

Amendments: Huys, 1990c.

Genus *Cubanocleta* Petkovski, 1977

Petkovski refrained to assign this genus either to the **Laophontidae** or to the **Ancorabolidae**.

Cubanocleta noodti Petkovski, 1977

Redescription: Huys, 1990c.

Genus **Cristacoxa* Huys, 1990c

Cristacoxa petkovskii (m) Huys, 1990c

Fam. ***NORMANELLIDAE** Lang, 1944 *sensu* Huys & Willems, 1989

(grad. nov. Huys & Willems, 1989)

Lang (1948, p. 1621) claimed the priority for the definition of the subfamily Normanellinae, referring to his 1944 paper (see appendix). Consequently, the family **Normanellidae** Nicholls (1945a) falls under article 23 of the ICZN. (see Huys & Willems, 1989).

About the genus *Cletopsyllus* Willey, Soyer (1966) and Itô (1971a) mentioned the family **Normanellidae** Nicholls. However, in his monograph (p. 1436) Lang unified the genera *Cleta* (= *Laophontopsis*), *Pseudocleta*, *Normanella* and *Cletopsyllus* in the subfamily Normanellinae, which was enough to distinguish them from other genera of the **Laophontidae**. However that may be, Huys & Willems (1989) reinstated the **Normanellidae** Lang, with two subfamilies:

Subfam. **Normanellinae** Lang, 1944Genus *Normanella* Brady, 1880

Key to the species: Lang, 1965b (p. 529).

Normanella minuta (Boeck, 1872)

Amendments: Klie, 1950; Griga, 1961; Bodin, 1972b; Pallares, 1975e; Apostolov & Marinov, 1988.

Normanella mucronata Sars, 1909

Amendments: Griga, 1963; Marinov, 1971 and 1977; Apostolov & Marinov, 1988.

The chaetotaxy of Griga's specimens (pereopods 2 and 4) seems intermediate between *N. mucronata typica* and *N. mucronata reducta* Noodt (1955d). But Griga made no reference to the work of Noodt (1955d).

Normanella mucronata reducta Noodt, 1955d*Species novae**Normanella serrata* Por, 1959, 1964a

Amendments: Bozic, 1964a; Marinov & Apostolov, 1985 (with reserves); Apostolov & Marinov, 1988.

Normanella porosa (f) Noodt, 1964*Normanella bolini* Lang, 1965b*Normanella confluens* Lang, 1965b*Normanella aberrans* Bodin, 1968b*Species inquirenda*

Normanella dubia (Brady & Robertson, 1880), after Huys & Willems, 1989.

Species incerta

Normanella cf. *minuta* (Boeck) *sensu* Arlt, 1983

Subfam. **Cletopsyllinae** Huys & Willems, 1989Genus ***Cletopsyllus*** Willey, 1935

Key to the species: Marcus, 1976a.

*Species novae**Cletopsyllus secundus* (f) Nicholls, 1945a*Cletopsyllus tertius* Por, 1964a, 1967Synonym: *C. quartus* (f) Soyer, 1966 (after Por, 1967).Redescription of the male: Marcus, 1976a (as *C. quartus*).*Cletopsyllus sagamiensis* Itô, 1971a*Cletopsyllus bacescui* Marcus, 1976a*Cletopsyllus brattstroemi* Geddes, 1981bSpecies close to *C. sagamiensis* Itô, after its author.*Cletopsyllus rotundifera* Fiers, 1986d***Cletopsyllinae incertae et incertae sedis***Genus ***Pseudocletopsyllus*** Vervoort, 1964*Species incerta**Pseudocletopsyllus spiniger* (f) Vervoort, 1964Itô (1972b) pointed out that this specimen could be the fifth copepodid stage of a species from the genus *Cletopsyllus*.***Laophontidae incertae et incertae sedis***

Laophontidae (Laophontinae) gen. et sp.? (m) Hamond, 1969

The systematic status of this form remains uncertain, after Hicks, 1982a.

Laophontidae (Laophontinae) gen. et sp.? (f) Bodin, 1972b

Laophontidae sp. 1 Mielke, 1987b

Laophontoidea incerta sedisGenus ***Pseudocleta*** Lang, 1944

Fam. **ANCORABOLIDAE** Sars, 1909; Lang, 1944, 1948

Key to the genera: Lang, 1965b (p. 537); Drzycimski, 1967b; Pallares, 1968c; Coull, 1973d; Bodiou & Colomines, 1988.

Subfam. **Laophontodinae** Lang, 1944Genus ***Laophontodes*** T. Scott, 1894

Key to the species: Lang, 1965b (p. 538).

Laophontodes typicus T. Scott, 1894

Amendments: Chislenko, 1967 and 1977.

Laophontodes bicornis A. Scott, 1896

Synonym: *L. brevis* (f) Nicholls, 1944 (after Lang, 1965b).

Amendments: Nicholls, 1944; Pesta, 1959; Griga, 1962.

Laophontodes expansus Sars, 1908

Synonym (?): *Laophontodes* sp. (f) Roe, 1958 (after Lang, 1965b).

Laophontodes whitsoni T. Scott, 1912

Amendments: Pallares, 1975b.

Laophontodes armatus Lang, 1936

Amendments: Pallares, 1968a.

*Species novae****Laophontodes ornatus*** (f) Krishnaswamy, 1957b***Laophontodes hegpethi*** Lang, 1965b***Laophontodes psammophilus*** (f) Soyer, 1975a***Laophontodes macropodia*** Gee & Fleeger, 1986***Laophontodes macclintocki*** Schizas & Shirley, 1994d***Laophontodes spongiosus*** Schizas & Shirley, 1994dGenus ****Probosciphontodes*** Fiers, 1988***Probosciphontodes stellata*** Fiers, 1988***Probosciphontodes ptenopostica*** Fiers, 1988

Subfam. **Ancorabolinae** Lang, 1944Genus *Echinopsyllus* Sars, 1909*Echinopsyllus normani* Sars, 1909

Description of the male: Wells, 1965b.

*Species nova**Echinopsyllus gorbunovi* (f) Smirnov, 1946Soyer (1964d) removed this species to the genus *Ceratonotus*Genus *Ceratonotus* Sars, 1909*Species novae**Ceratonotus coineau* (m) Soyer, 1964d*Ceratonotus pectinatus* Sars *elaphus* (f) Por, 1965bGenus *Arthropsoyllus* Sars, 1909*Arthropsoyllus serratus* Sars, 1909

Amendments: Chislenko, 1967; Arlt, 1983.

Genus *Echinocletodes* Lang, 1936

Key to the species: Dinét, 1974.

*Species novae**Echinocletodes bodini* (f) Dinét, 1974*Echinocletodes walvisi* (f) Dinét, 1974Genus *Paralaophontodes* Lang, 1965b*Paralaophontodes echinatus* (Willey, 1930)Comb. nov. (Lang, 1965b) for *Laophonte echinata* Willey, 1930; species considered synonymous with *Laophontodes armatus* by Lang, 1948.Synonyms: *Laophontodes robustus* Bozic, 1964a (after Wells & Rao, 1987)*Laophontodes (armatus?)* Lang *sensu* Bodin, 1964*Paralaophontodes robustus* (Bozic) *sensu* Bodin, 1967Description of the male: Bodin, 1964 (as *Laophontodes (armatus?)* Lang).Redescription: Fiers, 1986b (as *P. echinata*).*Species novae**Paralaophontodes exopoditus* Mielke, 1981a*Paralaophontodes elegans* (f) Baldari & Cottarelli, 1986

Genus *Dorsiceratus* Drzycimski, 1967b

Key to the species: Coull, 1973d.

Dorsiceratus octocornis Drzycimski, 1967b

Dorsiceratus triarticulatus Coull, 1973d

Genus *Patagoniaella* Pallares, 1968c

Patagoniaella vervoorti Pallares, 1968c

Genus *Tapholaophontodes* Soyer, 1975a

Tapholaophontodes rollandi Soyer, 1975a

Redescription: Mielke, 1985c.

Tapholaophontodes remotus Cottarelli & Baldari, 1987a

Tapholaophontodes laurenceae Bodiou & Colomines, 1988

Genus *Algensiella* Cottarelli & Baldari, 1987a

Algensiella boitanii Cottarelli & Baldari, 1987a

Fam. **LATIREMIDAE** Bozic, 1969a

Revision of the family and Key to the genera: Huys & Kunz, 1988.

Genus *Delamarella* Chappuis, 1954a, 1954c

Delamarella arenicola Chappuis, 1954a, 1954c

Delamarella karamani Petkovski, 1957

Amendments: Apostolov & Marinov, 1988.

Delamarella galateae Cottarelli, 1971a

Genus **Latiremus* Bozic, 1969a

Considered as synonymous with *Delamarella* by Bodin (1976), Kunz (1977) and Bozic (1978a), this genus was reinstated by Huys & Kunz (1988) and considered as the type-genus of the family.

Latiremus eximius Bozic, 1969a

Synonym: *Delamarella eximia* (Bozic) *sensu* Bodin, 1975, 1976, 1979 and Kunz, 1977.

Genus **Arbutifera* Huys & Kunz, 1988

Arbutifera phyllosetosa (f) (Kunz, 1984)

Comb. nov. (Huys & Kunz, 1988) for *Delamarella phyllosetosa* Kunz, 1984e.

Redescription: Huys & Kunz, 1988.

Genus incerta sedis

Genus *Protolatiremus* Itô, 1974

Assigned to the **Latiremidae** by its author, it is not impossible that this genus represents a new family, after Huys & Kunz, 1988.

Protolatiremus sakaguchii Itô, 1974

Harpacticoida gen. et sp. incertae et incertae sedis

Genus *Goffinella* Wilson, 1932

Goffinella styliifera C.B. Wilson, 1932

As the original material seems to be lost, this species was declared 'enigmatic' by Wells, 1977.

Genus *Pyrocletodes* Coull, 1973d

Initially placed in the **Cletodidae** by its author, assigned on the fringe of **Cletodidae** by Dinét (1976), this genus was attributed to the **Tetragonicipitidae** by Por (1986a), which has been refuted by several authors (Huys, 1995b; Fiers, 1995).

Pyrocletodes desuramus (f) Coull, 1973d

Pyrocletodes coulli (f) Dinét 1976

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² This work was translated in English and published in 1964 by the Israel Program for Scientific Translations (Jerusalem) under the title: *Fauna of the U.S.S.R., Crustacea, Vol. 3, N° 4, Freshwater Harpacticoida*: 396 p.

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INDEX

Names considered currently valid are in **bold type** (family names in capital letters, genera and species names in **bold italics**); names of doubtful forms (*dubia*, *incertae*, *incertae sedis*, *inquirendae*) are in *italics*; names of synonyms and *nomina nuda* are in ordinary Roman characters.

Taxa new since the previous edition (1988) are marked by an asterisk (*). To facilitate research, names of subgenera are listed in alphabetical order of generic names; those not identical with the nominative genus name were placed between brackets to indicate their subgeneric status. The subgeneric names feature also in the alphabetical listing of the species names, with an initial capital letter.

In case of multiple cross-references, the page numbers where the corresponding taxon is dealt with is underlined; page numbers where the taxon is simply mentioned, is in ordinary characters, not underlined.

- *Abscondicola** 133
 ***humesi** 133
 Abyssameira 116, 193
 reducta 193
Acrenhydrosoma 175, 179
 karlingi 179
 ***maccalli** 179
Actinocletodes 194
 woutersi 194
Actopsyllus 112
 hartmannorum 112
 longipes 112
***Aculeopsis** 215
 longisetosa 215
***Acutiramus** 65, 67
 acuticaudatus 67
 brevicaudatus 67
 ovatus 67
 ***quinquelineatus** 67
 ***rufolineatus** 67
 Adelopoda 188, 189
 ramabula 189
***Adenopleurella** 195
 ***brevipes** 195
***ADENOPLEURELLIDAE** 195
AEGISTHIDAE 22, 27
Aegisthus 22
 aculeatus 22
 mucronatus 22
 spinulosus 22
Afroloaophonte 208, 209, 211
 aequatorialis 209
 brevipes 209
 brignolii 209
 chilensis 209
 ***ensiger** 209
 leonis 209
 michae 209
 michaelae 209
 monodi 209
 pori 209
 renaudi 209
 schmidtii 209
 ***stocki** 209
***Afroleptastacus** 171
 ***clandestinus** 171
 remanei 171
***Afrosenia** 181, 186
 spinipes 186
***Aigondiceps** 150
 bocki 150
 ***bodini** 150
 ***brevicauda** 150
 kunzi 150
Algensiella 221
 boitanii 221
Alteutha 69
 austrina 69, 70
 depressa 69, 70
 interrupta 70
 langi 70
 littoralis 70
 oblonga 70
 ***polarsternae** 70
 rara 70
 roae 70
 sarsi 70
 sewelli 70
 signata 70
 sp. Roe, 1958 - 70
 spinicauda 70
 typica 70
Alteuthellopsis 71
 corallina 71
Alteuthoides 71
 kootare 71
***AMBUNGUIPEDIIDAE** 75, 87
***Ambunguipes** 87
 rufocincta 87
 similis 87
 vanhoeffeni 87
Ameira 116, 126
 ariana 130
 ariana alexandrina 131
 atlantica 117
 atlantica mediterranea 117
 bathyalis 118
 bengalensis 118
 brevipes 117
 brevipes pestae 117
 brevipes pontica 117

confluens 118
curviseta 116
divagans 117
divagans africana 117
divagans pontica 117
faroensis 118
gracilis 126
grandis 126
gravellicola 117
hyalina 117, 126
intermedia 118
limicola 123
listensis 118
littoralis 119
longicaudata 117
longifurca 117
longipes 116
lusitanica 118
marina 118
minuta 116
minuta 118
parascotti 118
parasimulans 117
parvula 116, 117
parvula nana 116
parvula tenuiseta 116
parvuloides 117
pestae 117
pusilla 116
reducta 117
scotti 116
scotti brevicornis 117
scotti brasiliensis 118
spinipes 117
tenella 116, 117
tenella 117
tenuicornis 116
tenuipes 125
trisetosa 128
usitata 117

AMEIRIDAE 116, 129, 131, 132, 133, 153

Ameirinae 116

Ameiropsis 122

ariana 130
australis 123
brevicornis 122
longicornis 122
minor 122
mixta 122
nobilis 122
**reducta* 122

Ameiropsyllus 130

arianus 130
arianus alexandrinus 131
monardi 130

Ameliotes 26, 27

malagassicus 26

Amenophia 75

**orientalis* 75
peltata 75
pulchella 75

Ameriotes 27

*Amerolaophontina 214

reducta 214

Amonardia 97

arctica 98
arctica subnasuta 98
magna 98
normani 98
pelophila 98
pentasetosa 98
perturbata 98
phyllopus 98
similis 97
subnasuta 98
tristanensis 98

Amphiascella 89, 102

nanoides 103
subdebilis 102

Amphiascoides 89, 96, 102, 112

arabicus 100
**atopus* 103
breviarticulatus 102
brevifurca 103
bulbiseta 103
debilis 103
dimorphus 103
dispar 103
golikovi 103
intermixtus 103
koltuni 103
lancisetiger 103
limicola 103
limicolus 103
nanoides 103
nanus 103
nicholli 103
paradebilis 103
petkovskii 103
sp. Becker & Schrieffer, 1979 - 103
subdebilis 102

Amphiascopsis 97

angrapequensis 97
angrapequensis 97
australis 97
cinctus 97
cinctus 97
cinctus sp.1 97
coralicola 97
longipes 97
obscurus 97
southgeorgiensis 97
thalestroides 97

Amphiascus 94, 96, 101

ampullifer 96
angustipes 95
angustipes 95
calcarifer major 104
calcarifer minor 104
caudaespinosus 95
confusus 101
congener 95

coralicola 97
 debilis 103
 demersus 95
 dentiformis 96
 *discrepans 96
 ecaudatus 100
 elongatus 96
 gauthieri 95
 gracilis 95, 102
 graciloides 95
 graciloides trisetatus 96
 hirsutus 98
 humphriesi 96
 inermis 99
 lobatus 96
 longarticulatus 96
 mathoi 105
 minutus 94, 95, 97
 minutus sp. 1 Lang, 1965b - 96
 minutus sp. 1 Lang, 1965b - 94
 monodi 96
 nicobaricus 98
 pacificus 96
 paracaudaespinosus 96
 parvus 95
 parvus 96
 polarpinquus 95
 polaris 95
 polarpinquus 95
 profundus 96
 propinquus 95
 rebus 93
 rostratus 100
 scotti 100
 similis 97
 sinuatus 95
 sp. Pesta, 1959 - 96
 sp. 1 et sp. 2 Griga, 1961 - 96
 sp. Sewell, 1940 - 104
 sp. Wells, 1968 - 96
 *tainui 96
 tenellus 95
 tenellus 96
 tenuiremis 94, 96
 undosus 96
 vararensis 104
 varians 94, 95, 96
 varicolor 92
 *Amphibiperita 156
 neotropica 156
 *Anapophysia 181, 186
 borealis 186
 *seconzaci 186
ANCORABOLIDAE 216, 219
 Ancorabolinae 220
 Anoplosoma 132
 sordidum 132
 stryx 132
 Antarcticobradya 41
 tenuis 41
 Antiboreodiosaccus 93

 crassus 93
 Antillesia 116, 133
 cardisomae 133
 Aphrolaophonte 209
 chilensis 209
 Apodella 187
 crassa 187
 Apodonsiella 86
 indica 86
 Apodopsyllus 134, 136, 141
 aberrans 137
 adaptatus 136
 africanus 137
 africanus 137
 africanus listensis 137
 arcuatus 137
 arenicolus 136
 bermudensis 137
 biarticulatus 137
 camptus 137
 chilensis 137
 *cubensis 137
 depressus 136
 littoralis 136
 lynceorum 137
 madrasensis 136
 *melitae 137
 panamensis 137
 reductus 136
 schulzi 137
 spinipes 136
 unguiformis 137
 vermiculiformis 137
 *Apolaophonte 213
 *hispidia 213
 Apolethon 210
 bilobatus 210
 fumator 210
 trigonus 210
 *Arawella 74
 *alexandri 74
 *Arbutifera 222
 phyllosetosa 222
 *Archilaophonte 214
 *maxima 214
 *Archileptastacus 171
 aberrans 172
 dichatoensis 171
 *Archisenia 181, 185
 sibirica 185
 Arenocaris 170
 bifida 170
 Arenolaophonte 210
 stygia 210
 Arenopontia 163, 165
 acantha 164
 acantha accraensis 164
 accraensis 164
 africana 164
 africana angolensis 164
 arenarida 163

- Arenopontia* 163
australis 164
biarticulata 166
breviarticulata 165
breviarticulata 165
chaufriassei 164
clasingi 163
dillonbeachia 163
gussoae 164
gussoae 164
indica 164
intermedia 163
ishikariana 164
ishikariana 164
longiremis 164
longiremis 164
Neoleptastacus 163, 164
nesaie 163
orientalis 163
ornamenta 164
pacifica 163
**Pararenopontia* 165
peteraxi 163
**phreatica* 164
pontica 163
problematica 163
reductaspina 164
riedli 163
sakagamii 164
secunda 164
sp. Griga, 1962 - 158
sp. A Willems et al., 1982 - 158
**speluncae* 164
spicata 163
spinicaudata 164
stygia 163
subterranea 163
subterranea 164
subterranea pontica - 163
trisetosa 165
trisetosa 165
- Arenopontiinae** 163
Arenosetella 36, 37
balakrishnani 37
bidenta 37
duriensis 37
fimbriaticauda 37
germanica 37
germanica 37
germanica galapagoensis 37
incerta 37
incerta 37
incerta 37
indica 37
kaiseri 37
limnophila 37
littoralis 37
longiseta 37
macronychospina 37
madagascariensis 37
mediterranea 36
monensis 36
noodti 38
panamensis 37
pectinata 39
rouchi 37
setosus 38
sp. Noodt, 1952b - 37
sp. Noodt, 1958b - 37
sp. Mielke, 1981b - 38
tenuissima 36
**tricornis* 37
unisetosa 38
vinadelmarensis 37
**Arenotopa* 170
**dyadacantha* 170
erasmusi 170
ghanai 170
**rossii* 170
Argestes 116, 190, 193
mollis 193
reductus 193
sarsi 194
ARGESTIDAE 116, 175, 190
Argestigens 190, 193
abyssalis 193
Arthroposyllus 220
serratus 220
Asellopsis 203
arenicola 204
bacescui 204
chappuisius 204
duboscqui 204
hispida 203
intermedia 203
littoralis 204
penicillata 204
sarmatica 204
Askalonia 24
talpa 24
Australonannopus 175, 179
aestuarinus 179
Austroclitodes 194
tricomatosum 194
**Avdeevia* 63
**antarctica* 63
BALAENOPHILIDAE 87
Balaenophilus 87
unisetus 87
Balucopsylla 112
similis 112
**triarticulata* 112
Barbaracletodes 175, 179
barbara 179
carola 179
**Bathycamptus* 155
**eckmani* 155
minutus 156
Bathyidia 59
remota 59
**Bathypsammis* 181, 185
longifurca 185

- Beckeria 187
 indica 187
 *Belemnopontia 172
 acuticaudatus 172
 dispinosa 172
 panamensis 172
 *Biuncus 141
 ingens 141
 *Boreolimella 151, 156
 dubia 156
 nympha 156
 Boreopontia 158
 heipi 158
 Bradya 33
 atlantica 33, 34
 bodini 34
 Bradya 33
 cladiofera 33
 congenera 33
 minutiseta 33
 Parabryda 33
 pugiochaeta 34
 theodori 33
 typica 33
 Bradyellopsis 36
 *arupinensis 36
 *briani 36
 *foliatus 36
 subniger 36
 tumidus 36
 Brescianiana 54, 63
 *rotundata 63
 *Brevifrons 65, 67
 *faviolatum 67
 Brianola 18, 19, 21, 10
 chacei 19
 curvirostris 18
 elegans 18
 exigua 18
 *hamondi 18
 minima 18
 pori 18
 reichi 21
 sp. 18
 stebleri 18
 sydneyensis 18
 vangoethemi 18
 Bulbamphiascus 99
 angustifolius 99
 chappuisi 99
 cibimae 99
 imus 99
 inermis 99
 minutus 99
 sp. Becker & Schrieffer, 1979 - 99
 Caligopsyllus 134, 141
 primus 141
 Cancrincola 133, 153
 abbreviata 133
 jamaicensis 133
 longiseta 133
 plumipes 133
 wilsoni 153
 *CANCRINCOLIDAE 133
 CANTHOCAMPTIDAE 111, 123, 124, 151,
 154, 155, 159, 160, 162, 163, 175, 188
 Canthocamptidae 151
 Canthocamptidae 215
 Canthocamptinae 151
 Canuella 17
 brevifurca 18
 bulbifera 20
 canadensis 21
 curticaudata 17
 elanitica 21
 elantica 21
 elongata 21
 furcigera 17
 indica 18
 paenelanitica 21
 paenelantica 21
 perplexa 17
 pontica 17
 reichi 21
 scotti 20
 sp. Huys et al., 1996 - 18
 CANUELLIDAE 17
 Canuellina 18, 19
 canalis 19
 femur 19
 insignis 18
 *nicobaris 19
 onchophora 19
 secunda 19
 tuba 19
 Canuellopsis 19
 mediterranea 19
 swedmarki 19
 *Caribbula 45, 47
 elongata 47
 *fleegeri 47
 *Carolinicola 181, 184
 trisetosa 184
 Ceratonotus 220
 coineau 220
 pectinatus elaphus 220
 *Cercioneotes 172, 174
 constrictus 172
 euryhalinus 173
 japonicus 172
 jenneri 172
 mozambicus 172
 nicholli 172
 waltirensis 173
 Cervinia 23
 bradyi 23
 brevipes 23
 langi 23
 langi 23
 magna 23
 plumosa 23
 sp. Itô, 1983 - 23

- sp. Itô, 1983 - 23*
sp. B Montagna & Carey, 1978 - 23
synarthra 23
tenuicauda 23
tenuiseta 23
tenuiseta 23
unisetosa 23
Cerviniella 23, 24
bodini 24
brodskayae 24
hamata 24
lagarderei 24
langi 24
mirabilipes 24
peruana 24
talpa 24
CERVINIIDAE 23, 27
Cerviniinae 23
CERVINIOIDEA 27
Cerviniopsinae 23, 24
Cerviniopsis 23, 26
acutirostris 26
curviseta 26
curviseta 26
gorbunovi 26
inermis 26
langi 26
minutiseta 26
muranoi 26
obtusirostris 26
smirnovi 26
sp. Itô, 1983 - 26
Ceyloniella 174
armata 174
armata major 174
armata minor 174
nicobarica 174
Chilaophonte 213
concepcionensis 213
maiqualahuensis 213
Cholidya 63
intermedia 63
polypi 63
Cholidyella 54, 63
**breviseta 63*
**incisa 63*
**intermedia 63*
**nesisi 63*
Cholidyinae 63
Cholydia 63
Cholydiella 54
Cithadius 45, 46
cyathurae 46
Cladorostrata 111
brevipoda 111
longipoda 111
**Clavigofera 65, 67*
clavigera 67
echinophila 68
laurencia 68
**pacifica 67*
ulva 68
Cleta 215, 217
lamellifera 215
secunda 215
Cletocamptus 151, 159
albuquerqueensis 159
bicolor 159
confluens 159
deitersi 159
helobius 159
retrogressus 159
xenuus 155
Cletodes 175
carthaginiensis 175
**dentatus 176*
dorae 176
endopodita 176
hartmannae 175, 176
latirostris 175, 177
limicola 175
longicaudatus 175
longifurca 175
**macrura 176*
millerorum 175, 176
pseudodissimilis 175
pusillus 175
reductus 176
reyssi 175
**setosus 176*
smirnovi 175, 176
sp. (Krishnaswamy, 1957b) - 176
spinulipes 175
stylicaudatus 179
tenuipes 175
**tuberculatus 176*
yotabis 175
CLETODIDAE 148, 151, 155, 160, 175, 179, 188, 222
Cletodidae 195
Cletodidae 159
Cletodidae gen. et sp. Wells, 1965b - 195
***Cletopsyllinae 218**
Cletopsyllinae 218
Cletopsyllus 217, 218
bacescui 218
brattstroemi 218
quartus 218
rotundifera 218
sagamiensis 218
secundus 218
tertius 218
Clytemnestra 72
rostrata 72
scutellata 72
CLYTEMNESTRIDAE 72
Corallicletodes 190, 193
boutierei 193
**Cornylaophonte 214*
**pleisteri 214*
**Coullana 21*
canadensis 21

Coullia 210, 214
clysmæ 210
heteropus 210
platychelipusoides 210

***CRISTACOXIDAE 216**

**Cristacoxa* 216
petkovskii 216

Cubanocleta 216
noodti 216

Cylindronannopus 181, 182
bispinosus 182
elongatus 182
primus 182

Cylindropsyllidae 111, 129, 151, 162

Cylindropsyllinae 151, 156, 158, 166

Cylindropsyllus 156, 157

**govaeri* 156

**ibericus* 156

**kunzi* 156

laevis 156

remanei 156

sp. Monard, 1935 - 157

Cylinula 158
arganoi 158
proxima 158

Dactylophus 83
platysoma 83

Dactylophia 83
peruana 83

Dactylopodamphiascopsis 97
latifolius 97

Dactylopodella 85
clypeata 85
clypeata 85
flava 85
incerta 85
**janetae* 85
ornata 85

Dactylopodia 79, 80
brozkiae 80
crassipes 80
decostata 80
euryhalina 79
falcifera 80
glacialis 79, 80
glacialis lazurica 80
incerta 80
longyearbyenensis 80
neglecta 79
pectenis 80
pontica 80
sp. Bodin, 1964 - 81
tisboides 79, 80
vulgaris 79
vulgaris dissimilis 79
vulgaris holsatica 79
vulgaris inornata 80
wrangeli 80

Dactylopodiinae 77

Dactylopodopsis 82
dilatata 82

Dactylopusia 79

brozkiae 80
crassipes 80
decostata 80
euryhalina 79
falcifera 80
falcifera 80
falcifera pallida 80
falcifera violacea 80
glacialis 79
glacialis lazurica 80
incerta 80
latipes 81
longyearbyenensis 80
micronyx 79
neglecta 79
paratisboides 80
pectenis 80
platysoma 83
pontica 80
sp. (Bodin, 1964) - 81
tisboides 79
tropica 83
vulgaris 79
vulgaris dissimilis 79
vulgaris inornata 80
**wrangeli* 80

Dactylopusiinae 77 79, 83

Dactylopusioides 83
macrolabris 83

Dahlakia 151, 155
xenuus 155

Danielssenia 45, 183 184
eastwardae 183
fusiformis 183
intermedia 184
minuta 185
paraperezi 183
perezi 183
quadriseta 183
reducta 183
robusta 184
sibirica 185
similis 183
spinipes 186
**spitsbergensis* 183
stefanssoni 185
typica 183

Danielssenia 185

Darcythompsonia 44

fairliensis 44
inopinata 44
neglecta 44
radans 44
scotti 44
sp. Griga, 1961 - 44

DARCYTHOMPSONIIDAE 42

Delamarella 221

arenicola 221
eximia 221
galateae 221

- karamani* 221
phyllosetosa 222
(Delavalia 89, 92)
Diagoniceps 148, 149
 bocki 150
 kunzi 150
 laevis 148
 laevis 150
 menaiensis 150
 **mexicana* 148
 monodi 148
 sp. Bodin, 1979 - 150
 trifidus 150
Diarthrodella 63, 134, 142, 143
 chilensis 142
 convexa 142
 galapagoensis 142
 lancifera 142
 neotropica 142
 orbiculata 63, 142
 parorbiculata 142
 parorbiculata pacifica 142
 psammophila 142
 secunda 63, 142
 secunda pacifica 142
Diarthrodellinae 134, 142
Diarthrodes 77, 80
 assimilis 78
 **brevipes* 79
 cystoecus 78
 dissimilis 78
 drachi 78
 dubius 78
 fahrenheiti 78
 falcipes 78
 feldmanni 78
 glaber 78
 gravellicola 78
 hirami 78
 imbricatus 78
 latisetosus 79
 lilacinus 79
 major 78
 minutus 78
 mediterraneus 78
 nanus 78
 nobilis 78
 parvulus 79
 ponticus 78
 ponticus orientalis 79
 pygmaeus 78
 tetrastachyus 79
 unisetosus 78
 zavodniki 79
**Dionyx* 160, 161
DIOSACCIDAE 82, 89, 111, 113, 182
Diosaccidae 113
Diosaccus 92, 93
 borborocoetus 93
 dentatus 93
 ezoensis 93
 hamiltoni 92
 monardi 93
 monardi major 93
 rebus 93
 sp. Itô, 1982b - 93
 spinatus 92
 tenuicornis 92
 truncatus 92
 valens 93
 varicolor 92
 varicolor biarticulatus 92
 varicolor pentasetosus 93
Discoharpacticus 53
 hoshidei 53
**Distiocus* 114
 **minor* 114
Dizahavia 190, 194
 halophila 194
Donsiella 85
 anglica 86
 bisetosa 86
 limnoriae 85
 limnoriae 86
 **phycolimnoriae* 86
 victoriae 86
Donsiellinae 85, 196
Dorsiceratus 221
 octocornis 221
 **triarticulatus* 221
Drescheriella 60
 glacialis 60
Echinocletodes 220
 bodini 220
 walvisi 220
Echinocletodes 194
 kuehnemanni 194
Echinolaophonte 205, 206, 214
 armiger 206
 armiger briani 206
 armiger typica 206
 brevispinosa 206
 gladiator 206
 horrida 206
 **minuta* 207
 mirabilis 206
 oshoroensis 207
 tetracheir 207
 tropica 207
 **veniliae* 207
Echinopsyllus 220
 gorbunovi 220
 normani 220
**Echinosunaristes* 21
 **bathyalis* 21
Ectinosoma 28, 33
 abrau 30
 acutorostratum 28
 **andamanica* 29
 arenicola 31
 armiferum 30
 barbicauda 29

- barroisi 34
breviarticulatum 29
californicum 29
canaliculatum 31
compressum 29
 couceroi 28
 curticorne 30
dentatum 28, 29
 diops 31
 Ectinosoma 28
ghardaquense 28
 gothiceps 30
 Halectinosoma 28
 herdmani 29
 intermedia 31
 intermedium 32
 inopinatum 31
 japonica 31
litorale 28
 littoralis 31
 major 35
mediterraneum 29
melaniceps 28
 melaniceps tuberculata 28
 neglectum 33
nonpectinatum 29
normani 28
 normani 28, 29
 oblongum 31
obtusum 28
paradentatum 28
paranormani 29
pectinatum 29
 propinquum 30
pruvoti 29
reductum 28
 reductum listensis 28
 sarsi 31, 33
 smirnovi 31
soyeri 29
sp. I, II, III, IV et V
 Mielke, 1979 - 29
 sp. Roe, 1958 - 28
 sp. Bodin, 1964 - 33
 sp. Klie, 1949 - 29
 spinicauda 31
tenuipes 28
 tholomiges 29
 tholophilos 29
vervoorti 29
virginensis 29
ECTINOSOMATIDAE 28, 36
 Ectinosomidae 28
Ectinosomoides 39
 longipes 39
 pectinatus 39
 **Elanella* 21
 elanitica 21
 elantica 21
 paenelanitica 21
 **Elapholaophonte* 214
 **decaceros* 214
Ellucana 19
 chelicerata 20
 longicauda 19
 secunda 19
 steinitzi 22
 Emertonia 140
 capensis 138
 gracilis 140
 minuta 138
 pseudogracilis 138
 Enchydrosoma 176
 gariene 177
 propinquum 176
Enhydrosoma 175, 176, 178
 barnishi 180
 baruchi 177
 bifurcarostratum 180
 birsteini 180
 breviarticulatum 180
 buchholzi 180
 caeni 177
 cananeiae 178
 curticauda 176
 curvirostre 176
 franklini 179
 gariene 177
 gariensis 177
 gerlachi 177
 guaratubae 178
 herrerai 177
 hopkinsi 177
 illgi 160
 intermedia 177
 ivitteae 178
 **lacunae* 177
 latipes 176
 littorale 177
 longicauda 177
 longifurcatum 176
 longum 180
 mangroviae 177
 minimum 178
 nicobarica 177
 nicobaricum 177
 **pectinatum* 177
 **pericoense* 177
 propinquum 176
 propinquum 177, 178
 radhakrishnai 180
 **rosae* 177
 sarsi 176
 sordidum 177, 178
 sp. Griga, 1961 - 178
 sp. Krishnaswamy, 1957b - 176
 sp. Fiers, 1996b - 178
 sp. Coull & Wells, 1981 - 177
 tunisense 178
 tunisensis 178
 uniarticulatum 180
 variabile 177

- vervoorti 180
 vicinum 177
 wellsii 177
 woodini 177
Enhydrosomella 175, 179
 franklini 179
 kuehnemanni 179
 monardi 179
 setiensis 179
Eoschizopera 106, 109
 **chiloensis* 109
 crassispinata 109
 Eoschizopera 106, 109
 gligici 109
 indica 109
 marlieri 110
 **nicoyana* 109
 Praeoschizopera 106, 109
 reducta 109
 syttensis 109
 Epactophaninae 151
Esola 198, 204, 214
 bulligera 204
 longicauda 204, 207
 longicauda 205
 *longicauda *galapagoensis* 204
 longiremis 204
 rosei 204
 sp. Chislenko, 1967 - 205
 typhlops 198, 204
 typhlops pontoica 204
Eucanuella 23, 24
 langi 24
 longirostrata 24
 reticulata 24
Eudactylopus 77, 81
 andrewi 81, 82
 andrewi andrewi 81, 82
 andrewi atlanticus 81, 82
 anomala 83
 atlanticus 82
 australis 82
 fasciatus 82
 krusadensis 82
 latipes 81
 latipes 77
 latipes andrewi 81, 82
 latipes typica 81, 82
 lucayosi 82
 opima 82
 opima major 82
 opima minor 82
 robustus 81, 82
 robustus 82
 robustus fasciatus 82
 sp. Griga, 1961 - 82
 spectabilis 81
 striatus 82
Eupelte 70
 acutispinis 71
 **aurulenta* 71
 beckleyae 71
 gracilis 70
 hexaseta 71
 minuta 71
 regalis 71
 setacauda 70
 simile 71
 tristanensis 71
 villosa 70
Eurycleotodes 190, 192
 aberrans 194
 aculeatus 192
 denticulatus 192
 echinatus 192
 echinatus 193
 ephippiger 192
 Eurycleotodes 192
 gorbunovi 192
 hoplurus 192
 irelandica 192
 knoepffleri 192
 latus 192
 monardi 192
 oblongus 192
 Oligocletodes 192
 parasimilis 192
 peruanus 193
 petiti 192
 profundus 193
 quadrispinosa 193
 sarsorum 193
 similis 192
 sp. Roe, 1958 - 192
 uniarticulatus 192
 verisimilis 192
Euterpina 45, 47
 acutifrons 47
**EUTERPINIDAE* 45, 47
Evansula 157, 166
 arenicola 157
 incerta 157
 pygmaea 157
 trispinosa 166
Expansicervinia 24
 glaciera 24
**Falcocaris* 44
Fearia 144
 prima 144
Feregastes 74
 wellensi 74
**Fladenia* 184
 intermedia 184
 robusta 184
**Folioquinpes* 205, 213
 chathamensis 213
 **mangalis* 213
Fultonia 190, 194
 bougisi 190
 bougisi corallicola 190
 gascognensis 190
 sarsi 190

- Galapacanuella* 20
 beckeri 20
Galapalaophonte 211
 **antillensis* 212
 **biarticulata* 212
 **carolinensis* 211
 **chilensis* 212
 pacifica 211
 triariculata 211
 variabilis 211
 **Geeopsis* 45, 46
 incisipes 46
 **Godianiceps* 150
 **maya* 150
Goffinella 222
 stylifera 222
Haifameira 132
 archibenthoica 132
Halectinosoma 28, 29
 abrau 30
 abyssicola 32
 angulifrons 31
 arenicola 31
 **argyllensis* 33
 armiferum 30
 barroisi 34
 brevirostre 30
 brunneum 30
 brunneum 31
 canaliculatum 31, 32
 **chislenki* 32
 chrystalli 30
 clavatum 31
 cooperatum 32
 **crenulatum* 33
 curticorne 30
 **denticulatum* 33
 dimorphum 32
 diops 31
 distinctum 31
 elongatum 29, 33
 erythrope 30
 finmarchicum 30
 fusiforme 32
 fusum 32
 gascognense 32
 gothiceps 30
 gracile 30
 herdelongata 32
 herdmani 29, 33
 hydrofuge 32
 inhacae 32
 inopinatum 31
 intermedium 31
 japonicum 31
 kunzi 32
 langi 32
 littorale 31
 longicorne 30
 longisetosum 32
 monardi 32
 neglectum 30
 neglectum 33
 oblongum 31
 ornatum 31
 otakoua 32
 paradistinctum 31
 paraspinicauda 32
 perforatum 32
 porosum 32
 propinquum 30
 proximum 30
 **pseudosarsi* 32
 pterinum 32
 rouchi 32
 sarsi 33
 sarsi 33
 similidistinctum 31
 smirnovi 31
 sp. Bodin, 1964 - 33
 sp. 1 et 2 Bodin, 1970 - 33
 sp. Coull & Wells, 1981 - 32
 spinicauda 31
 tenuireme 30
 travei 32
 unicum 31
 uniarticulatum 32
 valeriae 32
 winonae 32
 Halocanthocamptinae 151
 Halophytophilus 36
 **aberrans* 40
 fusiformis 36
 **simplex* 36
 triariculatus 40
 Haloschizopera 105
 abyssi 106
 aegyptica 105
 **apprisea* 106
 bathyalis 106
 bulbifer 105
 bulbifera 105
 **clotensis* 106
 conspicua 105
 exigua 105
 junodi 106
 junodi 105
 latisetifera 105
 lima 106
 **lionensis* 106
 marmarae 105
 marmarae 105
 mathoi 105
 minima 105
 noodti 105
 **nuditerga* 106
 pauciseta 105
 phyllura 105
 pontarchis 105
 pygmaea 105
 ruthorum 105
 tenuipes 105

HAMONDIIDAE 75, 87**Hamondia 87*****superba 87****Harpacticella 51*****itoi 51****oceanica 51****Harpacticellinae 48*****Harpactichechus 51*****manatorum 51****HARPACTICIDAE 48****Harpacticoida 144, 211****Harpacticoida 222****Harpacticus 48****aegilobates 49****aegilobates 48****alevtinae 49****arcticus 49****chelifer 48, 49****chelifer 75****compressus 49****compsonyx 48****compsonyx nolisius 48****confusus 50****depressus 49****dezhnevi 49****dubitabilis 49****flexulosus 49****flexus 48, 49****flexus 49****furcatus 49****furcatus patagonicus 49****gracilis 48****gurneyi 48****islandicus 49****littoralis 48****longiantennata 49****nicaeensis 48, 49****nicaeensis pontica 48****nipponicus 49****nolisius 48****obscurus 48****pacificus 49*****parachelifer 49****ponticus 49****pulex 49****pulvinatus 48****purpureus 49****septentrionalis 50****septentrionalis yamadai 50****spinulosus 49****superflexus 49****uniremis 48, 49, 50****uniremis japonicus 49****Harrietella 206****simulans 206****Hastigerella 28, 38****abbotti 38****abbotti santacruzensis 38****bengalensis 38****bodini 38****bozici 38****chappuisi 38****clavata 38****grandimandibularis 38****leptoderma 38****mehuinensis 39****meridionalis 38****monniotae 38****noodti 38****noodti 39****palpilabra 36****psammae 38****scheibeli 38****setosa 38****soyeri 39****sp. Mielke, 1986 - 39****sp. McLachlan & Furstenb., 1977 - 37****tenuissima 36, 37****unisetosa 38****Helmutkunzia 112****hartmannorum 112*****variabilis 112****Hemicervinia 23, 26****stylifera 26****Hemicletodes 190****Hemilaophonte 206****clysmæ 210****janinae 206****Hemimesochra 151, 155, 184****atargatis 155****clavularis 155****derketo 155****nixe 156****nympha 156****rapiens 156****secunda 155****trisetosa 184****Hemimesochrinae 151, 154****Herdmania 23, 26****Herdmaniopsis 23, 26, 27****abyssicola 26****malagassica 26****Heterolaophonte 198, 200, 212****bisetosa 201****brevipes 201****campbelliensis 200****curvata 200****curvata micrarthros 201****denticulata 201****discophora 200****furcata 201****hamatus 201****hamondi 201*****letovae 201****laurentica 198, 201****littoralis 200****littoralis longisetigera 200****longifurcata 212****longisetigera 200****manifera sulamericana 201****mendax 200****minuta 200**

- *murmanica* 201
noncapillata 212
norvegica 201
parasigmoides 212
pauciseta 200
quinespinosa 200, 212
rotundipes 200
serratula 201
sigmoides 212
sp. Roe, 1959 - 201
sp. Wells, 1961 - 201
sp. Bayly, 1970 - 212
sp. Coull & Wells, 1981 - 212
stroemi 200
stroemi brevicaudata 200
stroemi paraminuta 201
tenuispina 200
**tupitskyi* 201
uncinata 200
variabilis 201
wellsi 201
wellsi 212
Heteropsyllus 151, 154
confluens 154
dimorphus 154
major 154
major 154
masculus 154
meridionalis 154
minutus 156
nunni 154
pseudonunni 154
rostratus 154
rostratus similis 154
serratus 154, 159
Hoplolaophonte 211
aculeata 211
Horsiella 42
biscayensis 42
brevicornis 42
elishevae 43
gurneyi 42
ignava 42
insularis 43
marina 43
minima 43
sp. Chappuis, 1960 - 42
trisetosa 42
vermiculata 43
Huntemannia 186
biarticulatus 187
jadensis 186
lacustris 187
micropus 187
HUNTEMANNIIDAE 175, 186
Hypalocletodes 190, 193
aberrans 194
salomonis 193
Ialysus 110
investigatoris 110
proximus 110
rufus 110
Ichnusella 165, 166
eione 166
Idomene 84
aberrans 84, 185
aemula 84
cookensi 84
laticaudata 84
maldiviae 84
parasimulans 84
pectinata 84
peresi 185
scotti 84
simulans 84
Idya 54
furcata 54
Idyanthe 62
australis 62
dilatata 62
Idyanthinae 60, 64, 143
Idyanthopsis 63, 142, 143
psammophila 63, 142
Idyella 61
kunzi 61
pallidula 61
Idyellopsis 62
typica 62
Ifanella 19
chacei 19
Indicanuella 18
indica 18
Indolaophonte 213
**gemmarum* 213
ramai 213
**Infrapedia* 160, 161
Intercanuella 20
lima 20
**Intercletodes* 175 180
**interita* 180
**Intercrusia* 64
**problematica* 64
Interleptomesochra 123, 127
attenuata 123, 127
boguensis 128
elongata 127
eulitoralis 128
noodti 128
reducta 127
tenuicornis 127
(Intermedopsyllus 134, 140)
Intermedopsyllus 140
intermedius 140
minutus 141
**Intersunaristes* 21
curticaudatus 21
dardani 21
Itunella 153
bacescui 153
intermedia 153
muelleri 153
Jonesiella 183

- eastwardae* 183
fusiformis 183
Karllangia 126
 arenicola 126
 *arenicola *bengalensis* 126
 **obscura* 126
 psammophila 126
 **pulchra* 126
 tertia 126
Katacletodes 160
 improportionalis 160
 improportionatus 160
**Kioloaria* 65, 67
 **sesquimaculata* 67
Kleionychocamptoides 208
 arenicola 208
 remanei 208
Kliella 40
 spinosa 40
 triarticulatum 40
Klieonychocamptoides 208, 211
 arenicola 208
 arganoi 208
 brevipes 209
 itoi 208
 remanei 208
 renaudi 209
Klieonychocamptus 205, 208, 214
 diarticulatus 209
 discipes 209
 kliei 208, 209
 kliei adriaticus 208
 kliei confluens 208
 kliei ponticus 209
 ponticus 209
Klieopsyllus 137
Klieosoma 40
 **aberrans* 41
 spinosum 40
 triarticulatum 40
Kliopsyllus 134, 137, 140
 abyssalis 141
 acutifurcatus 139
 atlanticus 139
 arenicolus 139
 californicus 139
 capensis 138
 chilensis 139
 coelebs 138
 constrictus 138
 constrictus orotavae 138
 *constrictus *pacificus* 138
 debilis 139
 enalius 138
 furcavaricatus 139
 gigas 141
 gracilis 140
 holsaticus 137, 139
 holsaticus longicaudatus 137
 holsaticus varians 137
 idiotes 139
 insularis 137
 laurenticus 140
 longifurcatus 140
 longisetosus 138
 major 138
 masryi 139
 miguelensis 139
 minutus 139
 minutus 139
 panamensis 139
 paraholsaticus 140
 perharidiensis 139
 ponticus 138
 pseudogracilis 138
 regulexstans 139
 runtzi 141
 similis 139
 spiniger 139
 spiniger ornatus 139
 unguiseta 139
 wilsoni 139
**Kollerua* 180
 birsteini 180
 breviarticulatum 180
 longum 180
 radhakrishnai 180
 uniarticulatum 180
Krishnapsyllus 137
 furcavaricatus 139
 longisetosus 138
**Kristensenia* 44
 **pallida* 44
Kunzia 134, 141
 bispinosa 141
 epacra 141
 minutissima 141
**Kushia* 65, 68
 **gamoi* 68
 **igaguria* 68
 **zosteraphila* 68
**Langia* 213
 **maculata* 213
(Langpsyllocamptus 122)
Laophonte 196, 197
 acutirostris 198
 adamsiae 198
 adduensis 197
 adriatica 213
 aldonae 198
 arenicola 198
 armiger 206
 baltica 197
 *baltica *baltica* 197
 barbata 196
 brevicaudata 200
 brevifurca 197
 capillata 212
 cesareae 207
 ciliata 197
 commensalis 197
 confusa 199

congenera 202
cornuta 196, 197, 198
cornuta dentioperculata 198
cornuta nigrocincta 198
curticauda 200
danversae 198
dinocerata 197
drachi 198
echinata 220
elongata 196
elongata barbata 196
elongata triarticulata 196
euxiniphila 198
expansa 198
farrani 199
foxi 197
galapagoensis 198
gracilis 207
hirsutus 198
ifalukensis 197
ifalukensis brevipes 197
inopinata 197
inornata 196, 197
kliei 208
lamellipes 198
Laophonte 196
laurentica 198
laurentica 201
leuke 197
**lignosa* 198
littoralis 200
longicaudata 196
longiseta 207
macani 198
mendax 200
Mesolaophonte 196, 197
Metalaophonte 196
minuta 200
mohammed 205
Monolaophonte 196
Neolaophonte 196
parvula 196
plana 198
platychelipusioides 210
pseudocolata 197
pseudo-oculata 197
quinespinosa 212
rhodiaca 204
sagenarum 47
setosa 196
sima 196
sp. Pesta, 1959 - 199
sp. 1, 2 et 3 Griga, 1961 - 199
sp. Wells, 1963b - 199
sp. Vilela, 1965 - 199
spinicauda 198
spinifer 198
thoracica 196
trilobata 197
trispinosa 214
vietsi 200

vitiospinulosa 197
Laophonte 215
Laophontella 144, 148, 196
armata 148, 149
armata indica 148
horrida 149
*horrida *dentata* 149
*horrida *namibiensis* 149
typica 148
LAOPHONTIDAE 85, 111, 144, 148, 195, 196,
 211, 215, 216, 217
Laophontidae 218
Laophontidae gen. et sp. ? Bodin, 1964 - 210
Laophontidae gen. et sp. ? Hamond, 1969 - 218
Laophontidae gen. et sp. ? Bodin, 1972 - 218
Laophontidae sp. 1 Mielke, 1987b - 218
Laophontidae 210, 215
Laophontina 205, 208, 211
acantha 206
arenicola 208
brevipes 208, 209
distincta 214
dubia 205
noodti 206
paradubia 205
posidoniae 206
reducta 214
renaudi 208, 209
**sensillata* 206
sp. Mielke, 1982a - 211
triarticulata 211, 212
variabilis 211
Laophontinae 211
Laophontinae 218
Laophontodes 219
armatus 219, 220
armatus ? 220
bicornis 219
brevis 219
expansus 219
hegpathi 219
**macclintocki* 219
macropodia 219
ornatus 219
psammophilus 219
robustus 220
sp. Roe, 1958 - 219
**spongiosus* 219
typicus 219
whitsoni 219
Laophontodinae 219
Laophontoidea 195, 218
***LAOPHONTOPSIDAE** 215
Laophontopsis 215, 217
borealis 215
lamellifera 215
lamellifera 215
**monardi* 222
Laophontopsis 215
lamellifera 215
LATIREMIDAE 221, 222

Latiremus 221*eximius* 221*Laubieria* 115*corallicola* 115**secunda* 115**tercera* 115*Leimia* 151, 156*dubia* 151, 156*Leptameira* 123*attenuata* 123***LEPTASTACIDAE** 168, 174

Leptastacinae 168

Leptastacus 151, 168*aberrans* 172*aberrans dichatoensis* 171*acuticaudatus* 172*chilensis* 174*christelleae* 174*constrictus* 172**corsicaensis* 168**coulli* 168*ctenatus* 173*delamarei* 174*dichatoensis* 171*dispinosus* 172*dispinosus panamensis* 172*euryhalinus* 173*incurvatus* 173*incurvatus chilensis* 174*japonicus* 172*jenneri* 172**kwintei* 168*laminaserrata* 174*laticaudatus* 168*laticaudatus intermedius* 168*laticaudatus intermedius* 168*macronyx* 168*macronyx* 168, 172*macronyx pontica* 173*mehuinensis* 173*minutus* 168*mozambicus* 172*naylori* 174*naylori* 174*nichollsi* 172*operculatus* 174**pygmaeus* 168*rostratus* 173*rostratus taurica* 173*spatuliseta* 168*taurica* 173**uncinatus* 168*waltirensis* 173*wieseri* 168*Leptastacus* 171, 172, 173*Leptocaris* 42*adriatica* 42*armatus* 43*azoricus* 42*biscayensis* 42*brevicornis* 42*canariensis* 43*doughertyi* 43*echinatus* 43*echinatus *nudus* 43*elishevae* 43*elishevae* 43*glaber* 43*gurneyi* 42*gurneyi namibius* 42*ignavus* 42*igneus* 43*insularis* 43**itoi* 43*kunzi* 43**mangalis* 43, 44*marinus* 43*minimus* 42, 43*minutus* 42*mucronatus* 43**noodti* 43*pori* 43*sibiricus* 42**stromatolicolus* 43*trisetosus* 42*trisetosus *brevifurca* 43*trisetosus *breviseta* 43*vermiculata* 43*Leptocletodes* 190, 193*chaetophorus* 193*sp. Soyer, 1964e - 193**Leptomesochra* 123, 124*africana* 127*attenuata* 123*attenuata* 123, 127*confluens* 124*diazii* 124*elongata* 127*eulitoralis* 127*hirsuta* 124*macintoshii* 123*nasuta* 124*nichollsi* 123*pygmaea* 129*sp. Bodin, 1964 - 124**sp. Bodin, 1970 - 151**tenuicornis* 127*theodoridis* 124*Leptopontia* 162**americana* 162**breviarticulata* 162*curvicauda* 162, 166*curvicauda* 162*curvicauda* 162**dovpori* 162**flandrica* 162**mediterranea* 162**punctata* 162*sp. Mielke, 1982b - 162**sp. Huys & Boxshall, 1991 - 162****LEPTOPONTIIDAE** 162

Leptopontiinae 158, 162

Leptopsyllus 134, 135*abyssalis* 135*adaptatus* 136*arcticus* 136*arenicola* 136*celticus* 136*depressus* 136*dubaty* 135*elongatus* 135*harveyi* 135*herdmani* 140*Leptopsyllus* 134, 135*littoralis* 136*madrasensis* 136*minor* 140*Paraleptopsyllus* 134, 136*paratypicus* 135*perplexus* 136*petkovskii* 136*platyspinosus* 135*punctatus* 135*reductus* 135*reductus* 136*robertsoni* 140*schulzi* 137*spinipes* 136*typicus* 135*Leptotachidia* 45, 181, 184*iberica* 184*Limameira* 130*mediterranea* 130*Limnocletodes* 175, 178*angustodes* 178*behningi* 178*oblongatus* 178*secundus* 178*Lineosoma* 40*chilensis* 40*enertha* 40*intermedia* 40*iscensis* 40*Lipomelum* 213*adriaticum* 213*heteromelum* 213**hispidum* 213*variabile* 213*Longipedia* 15*americana* 16*americana santacruzensis* 16*andamanica* 16*andamanica nipponica* 16*australis* 15*brevispinosa* 15*coronata* 15, 16*coronata* 16*coronata* 15, 16*ferox* 16*helgolandica* 16*helgolandica santacruzensis* 16*kikuchii* 16*longispina* 15*minor* 15, 16*minor* 16*minor helgolandica* 16*morei* 16*nicholli* 16*pirgos* 16*pontica* 16*pontica* 16*rosea* 15*rosea* 16*scotti* 15*sp. Vilela*, 1965 - 15*sp. Fiers*, 1984c - 16*spinulosa* 16*weberi* 15, 16*weberi* 15*weberi* 15, 16**LONGIPEDIIDAE** 15*Loureirophonte* 207*catharinensis* 207*cesareae* 207**furcata* 207**isabelensis* 207**laingensis* 207**majacola* 208**majahualensis* 207**mediterranea* 208*paranaensis* 207*subterranea* 207, 208*Lourinia* 174*armata* 174*armata major* 174*armata minor* 174*armata sulamericana* 174*nicobarica* 174**LOURINIIDAE** 174**Lucayostratiotes* 87*cornuta* 87*Machairopus* 58*cockburni* 58*intermedius* 58*Macrosetella* 114*gracilis* 114*Maiquillaophonte* 213*uachi* 213*Malacopsyllus* 132*hades* 132*hirsutus* 132**Marsteinia* 41, 54*similis* 41*typica* 41*Marsteiniidae* 54*Megistocletodes* 190, 194*translucens* 194**Meiopsyllus* 141**marinae* 141*Mesamphiascus* 96*ampullifer* 96*Melima* 89, 92*bisetosa* 89, 91*caulerpae* 89, 91

Membranastacus* 173inopinatus* 173*Mesochra* 121, 151*aestuarii* 155*alaskana* 152*amoricana* 152*anomala* 152*apostolovi* 151*arenicola* 152*armoricana* 152*baylyi* 153*bodini* 153*dulcicula* 152*flava* 152*flava* 152, 153*heldti* 152*heldti* 153*hinumaensis* 153*inconspicua* 151*lilljeborgi* 151*lindbergi* 152*mexicana* 153*neotropica* 156*pallaresi* 152, 153*paranaensis* 152*parva* 152*pestai* 152*pontica* 152*pontica* 151*pygmaea* 151*pygmaea* 153*pygmaea* 153*pygmaea meridionalis* 151*quadrispinosa* 152*rapiens* 151*rapiens* 153*reducta* 153*rostrata* 152*schmidtii* 153*sp. Margalef*, 1953 - 153*sp. Hamond*, 1971 - 153*sp. Bayly & Williams*, 1966 - 153*sp. Bayly*, 1970 - 153*stellfeldti* 152*suifunensis* 152*timsae* 153*wolskii* 152*xenopoda* 152*Mesochra* 156*Mesochrella* 122*gelatinosa* 122*Mesocletodes* 190*abyssicola* 190, 191*ameliae* 191*arenicola* 190*bathybia* 191*bodini* 191*boutierei* 191*carpinei* 191*commixtus* 191*dolichurus* 191*duosetosus* 191*farauni* 190*faroerensis* 191*fladensis* 190*gigas* 191*glaber* 190*guillei* 190*inermis* 190*irrasus* 190*katharinae* 191*kunzi* 191*langi* 190*makarovi* 190*monensis* 190*opoteros* 191*parabodini* 191*parirrasus* 191*quadrispinosa* 191*robustus* 191*sarsi* 191*soyeri* 191*thieli* 191*trisetosa* 191**variabilis* 191*Mesopsyllus* 151, 155*atargatis* 155*secundus* 155*Metahuntemannia* 186, 187*atlantica* 187*arctica* 187*bifida* 188*crassa* 187*curticauda* 188*dovpori* 187*drzycimskii* 187*drzycimskii* 187*gorbunovi* 187*iberica* 187*indica* 187*magniceps* 187*mediterranea* 187*micracantha* 188*pacifica* 188*peruana* 188*pseudomagniceps* 187*smirnovi* 187*smirnovi* 187**spinipes* 187*spinosa* 187*talpa* 188**texturata* 187*triarticulata* 187*Metahuntemannia* 188*Metamphiascopsis* 98*hirsutus* 98*hirsutus bermudae* 98*nicobaricus* 98**METIDAE** 115*Metis* 115**galapagoensis* 115*holothuriae* 115

- igne* 115
igne halmyricola 115
jousseumei 115
jousseumei major 115
jousseumei minor 115
**reducta* 115
sp. Mielke, 1989b - 115
Mexicolaophonte 211
arganoi 211
**creola* 211
**mielkei* 211
osellai 211
Microarthridion 45
berberum 45
fallax 46
laurenticum 45
**litospinatus* 46
littorale 45
perkinsi 46
reductum 46
Microarthridioninae 45
**Microcanuella* 21
**bisetosa* 21
Microlaophonte 210
spongicola 210
trisetosa 210
Micropsammis 45, 181, 184
noodti 184
secunda 185
Microsetella 34
norvegica 34
rosea 34
Mictyricola 208
proxima 208
typica 208
**Minervella* 151, 171
**baccettii* 171
perplexa 171
Miracia 114
efferata 114
minor 114
Miracidae 114
MIRACIIDAE 114
Miroslavia 195
longicaudata 195
Miscegenus 112
heretaunga 112
Monocletodes 175, 179, 187
spinosus 187
varians 179
Morariinae 151
Mourephonte 207
catharinensis 207
longiseta 207
**Mucrosenia* 185
**kendalli* 185
kliei 185
**Murramia* 65, 67
**bicincta* 67
**magna* 67
**Namakosiramidae* 196, 211
**Namakosiramia* 196, 211
**californiensis* 211
Nannomesochra 155
arupinensis 155
zavodniki 155
Nannopus 186
brasiliensis 186
palustris 186
palustris tiberiadis 186
sp. Hensen, 1952 - 186
unisegmentatus 186
**Nathaniella* 21
reichi 21
**Navalonia* 159
kerghelenensis 159
Neoargestes 190, 194
incertus 194
variabilis 194
Neobradya 41
pectinifera 41
NEOBRADYIDAE 41, 54
Neodactylopus 83
cyclopoides 83
**trichodes* 83
**Neoechinophora* 64
**daltonae* 64
**fosshageni* 64
**jaumei* 64
**karaytugi* 64
(Neoleptastacus 163, 164)
Neoleptastacus 163, 164
secundus 164
spinicaudatus 164
Neopeltopsis 71
hicksi 71
pectinipes 71
**Neopsammastacus* 151, 170
spinicauda 171
spinicaudatus 171
(Neoschizopera 106, 108)
Neoscutellidium 62
yeatmani 62
(Neotachidius 45)
Neotisbella 60
gigas 60
**Nidiagoceps* 149, 150
menaiensis 150
trifidus 150
Nitocra 119, 121
affinis 119
affinis californica 120
affinis rijekana 120
affinis stygia 120
**arctolongus* 121
australis 121
balnearia 120
baltica 121
**bisetosa* 121
blochi 121
cari 120
delaruei 121

divaricata 119
divaricata caspica 120
elongata 120
fallaciosa 120
fallaciosa baltica 120
fragilis 119
fragilis paulistana 119
hamata 121
hibernica 119
hibernica 121
hibernica bulgarica 121
hyperides 121
hyperidis 121
lacustris 119
lacustris azorica 120
*lacustris *colombianus* 120
lacustris pacifica 120
lacustris sinoi 121
laingensis 121
marina 118
mediterranea pontica 121
medusae 119
medusaea 119
minor 119
minor mozambicoe 120
parafragilis 119
phreatica 120
psammophila 120
pseudospinipes 121
pusilla 119
**quadriseta* 121
reducta 120
reducta fluviatilis 120
reunionensis 120
sewelli husmanni 121
**sphaeromata* 121
spinipes 119
spinipes armata 119
spinipes orientalis 119
**stygia* 121
typica 119
typica adriatica 120
uenoi 120
Nitocrella 124
achaiae 125
aestuarina 124
**beatricis* 125
botosaneanui 128
**caraioni* 124
chappuisi 124
**cubanorum* 124
fedelitae 125
halophila 127
halophila brevifurca 127
herirudensis 128
hirta 124
**hypogea* 124
incerta 128
iranica 128
juturna 124
maggii 125

marina 127
minoricae 128
morettii 125
morimotoi 128
**motasi* 124
**negreai* 124
**orghidani* 124
paceae 124
petkovskii 124
polychaeta 128
reducta 120
rhodiensis 125
skyrensis 125
somalica 125
**spinulosa* 125
**stygia* 121
tridens 128
**unispinosa* 124
vasconica 124
Nitocrellopsis 124, 130
Nitokra 119, 120
lacustris sinoi 120
**sphaeromata* 121
spinipes 119
Nodtiella 39
Noodtia 39
Noodtiella 39
arenosetelloides 39
coquimbensis 40
enertha 40
frequentior 39
gracile 39
hoodensis 40
intermedia 40
larinconadensis 40
lusitanica 39
**mielkei* 40
**ornamentalis* 40
pacifica 40
problematica 39
tabogensis 40
wellsi 39
Noodtorthopsyllus 216
psammophilus 216
Normanella 217
aberrans 217
attenuata 127
bolini 217
confluens 217
dubia 217
minuta 217
minuta 217
mucronata 217
mucronata reducta 217
mucronata typica 217
porosa 217
serrata 217
**NORMANELLIDAE* 217
Normanellidae 217
Normanellinae 196, 217
Normanellinae 215

- Notopontia* 165, 166
 biarticulata 166
 galapagoensis 166
 sp. Bodin, 1984 - 171
 stephanieae 166
Novolaophonte 212
 viatorum 212
Octopinella 54, 60
 **tenacis* 60
Oculosetella 114
 gracilis 114
**Odaginiceps* 150
 **clarkae* 150
 **elegantissima* 150
 **xamaneki* 150
Odiliacletodes 190, 193
 gracilis 193
Oikopus 40
 rostrilabrus 40
(Oligocletodes 192)
Oligoxylora 86
 cooksoni 86
Oniscopsis 134, 144, 149
 **dimorphus* 149
 inabai 149
 pauliani 149
 robinsoni 149
Onychocamptus 205, 206, 214
 armiger 206
 bengalensis 205
 besnardi 205
 chathamensis 213
 gladiator 206
 horridus 206
 kliei 208
 kliei adriatica 208
 **krusensterni* 205
 mohammed 205
 ponticus 209
 sp. Mielke, 1981a - 213
 **taifensis* 205
Onychocamptus 213
Onychostenhelix 112
 falcifera 112
Ophirion 154
 communis 154
***ORTHOPSYLLIDAE** 151, 160
Orthopsyllus 151, 160
 agnathus 160
 **coralliophilus* 161
 dubius 160
 illgi 160
 linearis 160
 linearis 160
 linearis bulbosus 160
 *linearis *curvaspina* 161
 linearis illgi 160, 161
 linearis impropotionalis 160
 linearis impropotionalus 160
 linearis major 160
 linearis setosus 161
 littoralis 160, 161
 major 160
 pectinicauda 160
 propinquus 160
 psammophilus 216
 rugosus 160
 sarsi 160, 161
 similis 160
 sp. Apostolov, 1977 - 161
 sp. Sewell, 1940 - 160
 sp. Hamond, 1970 - 160
 spinicaudatus 160, 161
 wallini 160, 161
(Parabradia 33)
Paracerviniella 23, 24
 denticulata 24
Paradactylopodia 81
 brevicornis 81
 hexarticulata 81
 latipes 81
 oculata 81
 oculata 81
 serrata 81
 striata 81
 **trioculata* 81
Paradanielssenia 45, 181, 184
 biclavata 184
 **christineae* 184
 **kathleenae* 184
 kunzi 184
Paradiosaccus 92, 93
 monardi 93
 varicolor 92
 varicolor biarticulatus 92
 varicolor pentasetosus 93
Paraidya 59
 major 59
 minor 59
 occulta 59
Paralaophonte 202
 aenigmaticum 203
 asellopsiformis 203
 brevirostris 202
 congenera 202
 congenera mediterranea 202
 dieuzeidei 203
 echinata 203
 gracilipes 202
 hyperborea 202
 innae 203
 karmensis 202
 lacerdai 203
 macera 202
 majae 203
 meinerti 202
 obscura 203
 octavia 203
 ormieresi 203
 pacifica 203
 pacifica galapagoensis 203
 panamensis 203

perplexa 202
pilosoma 203
problematica 203
pseudo-oculata 197
quaterspinata 202
sculpta 203
spinicauda 198
spitzbergensis 203
subterranea 208
taurina 203
Paralaophontodes 220
echinata 220
echinatus 220
elegans 220
exopoditus 220
robustus 220
Paraleptastacus 168
ammodytensis 169
bisetosus 168
caspicus 169
espinulatus 169
holsaticus 169, 170
holsaticus 169, 170
holsaticus *moorei 169
incertus 127
laurenticus 169
longicaudatus 169
**monensis* 169
**moorei* 170
ponticus 169
sp. Arlt, 1983 - 170
spinicauda 168, 169, 170
spinicauda 169
spinicauda bisetosa 169
spinicauda bisetosus 169
spinicauda triseta 168
spinicauda trisetosa 169
supralittoralis 169
triseta 169
unisetosus 169
**wilsoni* 169
Paraleptomesochra 130
minima 130
wellsi 130
(Paraleptopsyllus 134, 134)
Paraleptopsyllus 134, 136
arcticus 136
Paralteutha 70
minuta 71
simile 71
villosa 70
Parameira 125
difficilis 125
pendula 126
Parameiopsis 130
magnus 130
peruanus 130
rapiens 130
Paramenophia 83
chilensis 83
chilensis tristanensis 83

platysoma 83
Paramesochra 134
acutata 134
acutata hawaiiensis 135
arenicola 139
**australis* 135
borealis 135
brevifurca 135
brevifurca 135
brevifurca mediterranea 135
capensis 138
coelebs 138, 139
constricta 138
constricta orotavae 138
denticulata 135
dubia 134
enalia 138
gigas 141
helgolandica 134
(?) helgolandica 135
helgolandica galapagoensis 135
holsatica 137
holsatica varians 137
intermedia 140
kunzi 135
laurentica 140
longicaudata 134
longisetosa 138
major 138
mielkei 135
minuta 141
ornata 134
orotavae 138
perharidiensis 139
pontica 138
psammobionta 134
psammophila 134
pseudogracilis 138
pteroaudata 134
pygmaea 137
similis 134
sp. Mielke, 1975 - 135
unaspina 135
wilsoni 139

PARAMESOCHRIDAE 63, 134, 142, 143, 149

Paramesochrinae 134

Paramphiascella 96, 103, 112

austroatlantica 104
bodini 104
bulbifer 104
bulbifer 104
calcarifer 104
coulli 104
curtiseta 104
delamarei 104
faurei 104
fulvofasciata 104
hispida 103
hyperborea 103
mediterranea 104
mediterranea 104

- mediterranea 104
pacifica 104
robinsoni 103
robinsoni 104
sirbonica 104
vararensis 104
vararensis 104
varasensis 104
xiphophora 104
Paramphiascoides 112
 mixtus 112
Paramphiascopsis 99
 ekmani 99
 giesbrechti 99
 longirostris 99
 pallidus 99
 paromolae 99
 soyeri 99
 triarticulatus 99
 waihonu 99
PARANANNOPIDAE 45, 83, 89, 175, 181
Paranannopus 181
 atlanticus 181
 bahusiense 181
 caheti 181
 denticulatus 181
 echinipes 181
 elongatus 182
 hicksi 181
 kunzi 181
 langi 182
 longithorax 181
 minutus 181
 philistinus 181
 plumosus 181
 reductus 181
 singulosestus 181
 triarticulatus 181, 182
 trisetosus 181
 truncatus 181
 uniarticulatus 181
 variabilis 181
 wellsi 181
Parapeltidium 71
 cristatum 71
 dubium 71
 nicholli 71
Paraphyllodopsyllus 145
 longipalpatus 145
Paraphyllopodopsyllus 145
 aegypticus 145
 berrieri 145
 hardingi 146
 hibernicus 146
 intermedius 146
 longipalpatus 145
 mossmani 145
 paramossmani 145
 trichophorus 148
 tristanensis 145
 xenus 144
Paraphyllopsyllus 145
 longipalpatus 145
Parapseudoleptomesochra 128
 **almohadensis* 129
 **almoravidensis* 129
 attirei 129
 **baeticola* 129
 **balnearia* 129
 botosaneanui 128
 dubia 128
 **fernandezi* 129
 **guadalhorcensis* 129
 hellenica 128
 herirudensis 128
 incerta 128
 iranica 128
 italica 128
 minoricae 128
 morimotoi 128
 **ommeyyadensis* 129
 polychaeta 128
 pristina 128
 reductus 129
 sp. Pesce, Tetè & Simone, 1981 - 129
 sp. Rouch, 1987 - 129
 **syriaca* 129
 tridens 128
 trisetosa 128
 trisetosa waltirensis 128
 *(*Pararenopontia 165)*
Pararenopontia 165
 breviarticulata 165
 trisetosa 165
Pararenosetella 28
 clavata 38
 erythrocs 30
 ghardaensis 28
 gracilis 30
 leptoderma 38
 litoralis 28
 longicornis 30
 meridionalis 38
 monniotae 38
 oblongum 31
 psammae 38
 sp. Wells, 1963 - 40
 tenuiremis 30
Parargestes 190
Paraschizopera 89 149
 beckeri 149
 **brevicauda* 150
 menaiensis 149, 150
 sp. Becker, 1972 - 149
 trifida 149, 150
Paraschizopera 149
Parasewellina 165, 167
 prima 167
Parastenhelia 88
 anglica 88
 costata 88
 forficula 88

- forficula littoralis* 88
gracilis 88
hornelli 88
hornelli krusadensis 88
littoralis 88
littoralis scotti 88
megarostrum 88
minuta 88
**oligochaeta* 88
ornatissima 88
reducta 88
spinosa 87
spinosa bulbosa 88
spinosa bulgarica 88
tenuis 41
- PARASTENHELIIDAE 88**
- Parasunaristes* 20
- chelicerata* 20
cucullaris 20
curticaudata 21
dardani 21
- Parategastes* 73
- caprinus* 73
coetzeei 73
conexus 74
herteli 73
sphaericus 73
sphaericus punicus 73
- Parathalestris* 75
- areolata* 76
aurantiaca 76
bulbiseta 76
californica 76
cambriensis 76
clausi 75, 76
dovi 76
dovi 76
ganio 76
harpactoides 75, 76
incerta 76
**infestus* 76
intermedia 75
irelandica 76
mourei 76
pacificus 76
patagonica 76
plumiseta 76
similis 76
sp. Bodin, 1964 - 76
verrucosa 76
vinosa 76
- Paratigriopus* 51
- hoshidei* 51
- Parepactophanes* 151, 155
- dubia* 155
- Parevansula* 129
- elegans* 130
**elongatus* 130
mediterranea 129
reductiforma 129
secunda 129
- vermiformis* 130
wellsi 130
- Parialysus* 110
- investigatoris* 110
proximus 110
robustus 110
- Paronychocamptus* 201, 202
- anomalus* 202
capillatus 212
connexus 202
curticaudatus 202
leuke 197
nanus 202
proprius 202
wilsoni 212
- Patagoniaella* 221
- vervoorti* 221
- Paulianicaridae 165
- Paulianicaris 165
- cornifer* 165
delamarei 165
- PELTIDIIDAE 69**
- Peltidium* 69
- angulatum* 69
defreitasi 69
fenestratum 69
laudatum 69
lernerii 69
maldivianum 69
minutum 69
nichollsi 69
ovale 69
perturbatum 69
proximum 69
robustum 69
simplex 69
sp. A et B Wells & Rao, 1987 - 69
speciosum 69
- *Peltisenia* 84, 181, 185
- aberrans* 185
- Peltobradia* 40
- bryozoophila* 40
- Peltthestrus* 77
- Peresime* 62
- abyssalis* 62
reducta 62
- Perissocope* 51
- adiastaltus* 51
bayeri 51
**biarticulatus* 51
exiguus 51
sp. 51
xenus 51
- *Perucamptus* 156
- rapiens* 156
- Philoleptomesochra* 129
- elegans* 130
reductiforma 129
secunda 129
wellsi 130
- Pholenota* 111

spatulifera 111
Pholetiscus 153
 orientalis 154
 rectiseta 154
 wilsoni 153
Phycolaophonte 211
 insularis 211
Phyllopodopsyllus 145
 aegypticus 145
 alatus 147
 **ancylus* 147
 angolensis 147
 armatus 148
 bahamensis 146
 bermudae 146, 147
 berrieri 145
 biarticulatus 146
 borutzkyi 146
 bradyi 145
 briani 146, 147
 **carinatus* 147
 chavei 146
 **crenulatus* 147
 curtus 146, 147
 danielae 146
 furciger 145
 **galapagoensis* 147
 geddesi 147
 gertrudi 147
 gertrudi **costaricensis* 147
 **gracilipes* 147
 hardingi 146
 **hartmannorum* 147
 hermani 146
 hibernicus 146
 **kunzi* 147
 langi 146
 laspalmensis 146
 laticauda 146
 longicaudatus 145, 146
 longipalpatus 145, 147
 longipalpatus hawaiiensis 147
 longipalpatus madagascariensis 147
 medius 146
 mielkei 147
 mielkei californicus 147
 mossmanni 145
 mossmanni **chiloensis* 145
 opisthoceratus 146
 **pallaresae* 147
 paraborutzkyi 146
 parabradyi 146
 parafurciger 146
 parafurciger carolinensis 146
 paramossmanni 145
 paraxenus 146
 pauli 146
 petkovskii 147
 pirgos 146
 ponticus 146
 punctatus 147

setouchiensis 147
simplex 147
 sp. Bodin, 1964 - 149
**stigmatosus* 147
**tenuis* 147
thiebaudi 147
thiebaudi 148
thiebaudi **santacruzensis* 146
tristanensis 148
xenus 145
**yucatanensis* 147
Phyllothalestris 76
 harringtoni 77
 lata 77
 mysis 76
 orientalis 76
 sarsi 77
 sarsi 76
 sp. Por, 1964a - 77
Pilifera 207
 gracilis 207
Platychelipus 204
 laophontoides 204
 littoralis 204
Platylaophonte 210
 delamarei 210
Pontocletodes 194
 ponticus 194
Pontopolites 186
Pontostratiotes 23, 24
 abyssicola 24
 abyssicola 25
 acanthoferens 25
 alatus 25
 barnetti 25
 ceciliae 25
 denticulatus 25
 fontani 25
 glaber 25
 gladius 25
 horrida 25
 inermis 25
 lubricus 25
 microserrulatus 25
 minor 25
 pacificus 25
 peruanus 55
 pori 25
 pubescens 25
 robustus 26
 scotti 25
 sixtorum 25
 sixtorum mindanaoensis 25
 sp. Por, 1969b - 26
 unisetosus 25
 uxoris 25
 vasconiensis 25
 vitielloi 25
 vivierae 25

PORCELLIDIIDAE 65

Porcellidium 65

- acuticaudatum* 67
affine 65
algoense 66
**akashimum* 66
australe 65
brevicaudatum 67
clavigerum 65, 67
dentatum 65
dilatatum 66
echinophilum 65, 67
**erythrogastrum* 66
erythrum 66
fimbriatum 65, 66
fimbriatum 65
fulvum 66
hartmannorum 66
**hormosirii* 65, 66
**kiiroum* 66
laurencium 65, 67
lecanoides 65
lecanoides roscoffensis 65
**londonii* 66
malleatum 65
**naviculum* 65, 66
**ocellum* 66
**ofunatense* 66
ovale 67
ovatum 67
paguri 66
peniculiferum 65
**phylloporum* 66
planum 66
**pulchrum* 66
ravanae 65
rubrum 65
sarsi 65
sp. Ummerkutty, 1966 - 66
sp. Gamô, 1969a - 66
sp. Mizuno & Gamô, 1991 - 66
tapui 66
tenuicauda 65
trisetosum 66
tristanense 65
ulvum 65, 67
unicus 66
viride 65
viride macrurum 67
Poria 151, 155
derketo 155
Praeiptomesochra 129
africana 129
phreatica 129
pygmaea 129
similis 129
(Praeoschizopera 106, 109)
Prenoodtiella 41
acutifrons 41
**Prionos* 181, 186
**ornata* 186
Proameira 118
arenicola 118
dubia 118
echinipes 118
hiddensoensis 118
psammophila 118
signata 118
simplex 118
thetiensis 118
**Probosciphontodes* 219
**ptenopostica* 219
**stellata* 219
**Proceropes* 195
**secunda* 195
Prosewellina 165, 167
chilensis 167
Protogoniceps 149
hebraeus 149
Protolatiremus 222
sakaguchii 222
Prototeptastacus 111
phyllosetosus 111
Protopsammotopa 112
norvegica 112
wilsoni 112
**Psamathea* 151, 171
**britannica* 171
**nautarum* 171
Psammameira 117, 126
grandis 126
hyalina 117, 126
reducta 126
Psammastacus 151, 170
acuticaudatus 174
brevicaudatus 170
confluens 170
confluens 170
erasmusi 170
ghanai 170
perplexus 171
remanei 171
rossii 170
spinicaudatus 171
spinicaudus 171, 173
Psammastacus 170, 171, 173
Psammis 45, 181, 183
borealis 186
kliei 185
longifurca 185
longipes 184
longisetosa 183
Psammocamptus 154
axi 154
Psammolaophonte 210
spinicauda 210
Psammoleptastacus 163
arenaridus 163
orientalis 163
**Psammoleptomesochra* 131
**australis* 131
**Psammonitocrella* 131
**boultoni* 131
**longifurcata* 131

Psammopsyllinae 165***Psammopsyllus* 166**

- arenarius* 165
- arganoi* 165
- brevipes* 166
- cornifer* 165
- delamarei* 165
- falciseta* 166
- imamurai* 165
- limnicola* 165
- longipes* 166
- maricae* 166
- operculatus* 165
- pasquini* 165
- **pori* 166
- stri* 165
- tridentatus* 165

(*Psammoschizoperopsis* 106, 113)

***Psammotopa* 111**

- **biarticulata* 111
- chappuisi* 111
- phyllosetosa* 111
- polyphylla* 111
- **trisetosa* 111
- vulgaris* 111
- vulgaris* 111

***Pseudameira* 123**

- antennulata* 123
- birulai* 123
- brevifurca* 123
- breviseta* 123
- crassicornis* 123
- kunzi* 120
- limicola* 123
- mixta adriatica* 123
- perplexa* 123
- reducta* 123
- signyensis* 123
- trisetosa* 123

***Pseudamphiascopsis* 98**

- attenuatus* 98
- attenuatus orientalis* 98
- ismaelensis* 98

***Pseudectinosoma* 39**

- minor* 39
- vandeli* 39

****Pseudoameiropsis* 131**

- **argentinus* 131

***Pseudobradya* 34**

- banyulensis* 35
- barroisi* 34
- beduina* 34
- beduina* 35
- beduina faialensis* 35
- brevicaudata* 35
- cornuta* 35
- crassipes* 35
- distinctum* 35
- hirsuta* 34
- hirsuta* 36
- kusnezovi* 35

***lanceta* 35**

- major* 35
- minor* 34
- oligochaeta* 35
- pectinifera* 35
- pelobates* 35
- pelogonos* 35
- pelotrophos* 35
- peresi* 35
- psammophila* 35
- pulchella* 35
- pulchra* 35
- rhea* 35
- similis* 34
- soyeri* 35
- spinulosa* 35
- truncatiseta* 35
- usitata* 35

***Pseudocervinia* 23**

- magna* 23

Pseudocleta* 217, 218**Pseudocletodes* 186*****Pseudocletopsyllus* 218**

- spiniger* 218

***Pseudodiosaccopsis* 93**

- mesogae* 93

***Pseudolaophonte* 205**

- glemareci* 205

- proteus* 205

***Pseudoleptomesochra* 127**

- typica* 127

***Pseudoleptomesochrella* 127**

- bisetosa* 127
- brevifurca* 127
- halophila* 127
- incerta* 127
- marina* 127
- pontica* 127
- **venezolana* 127

***Pseudomesochra* 89, 181, 182**

- aberrans* 182
- abyssalis* 182
- beckeri* 182
- gemina* 182
- **gertwilleni* 182
- **laptevensis* 182
- **meridianensis* 182
- minor* 182
- perplexa* 182
- scheibeli* 182
- similis* 182
- tamara* 182
- tatianae* 182

****Pseudomesochrinae* 181*****Pseudonsiella* 86**

- aotearoa* 86

***Pseudonychocamptus* 199**

- abbreviatus* 199
- carthyi* 199
- colomboi* 199
- gracilis* 207

koreni 199
marinovi 199
paraproximus 199
proximus 199
spinifer 199
Pseudopeltidiidae 72
Pseudosarsameira 125
Pseudostenhelia 111
prima 111
secunda 111
wellsi 111
Pseudotachidiinae 84
Pseudotachidius 84
abyssalis 84
bipartitus 85
bipartitus pacificus 85
brevisetosus 85
coronatus 84, 85
horikoshii 85
ibericus 84
minutus 85
peruanus 84
vikings 84, 85
Psyllocamptus 121
carolinensis 122
eridani 122
fuegiensis 122
Langpsyllocamptus 122
longisetosus 122
minutus 122
minutus 122
minutus minutus 122
minutus gelatinosus 122
pallaresi 122
Psyllocamptus 122
quadrospinosus 122
quinqiespinosus 122
triarticulatus 122
Pteropsyllidae 144
Pteropsyllus 148
consimilis 148
plebeius 148
plebeius furcatus 148
sp. Wells, 1961 - 148
**trisetosus* 148
**Pusillargillus* 156
nixe 156
Pyrocletodes 144, 222
coulli 222
desuramus 222
Quinquelaophonte 200, 201, 212
candelabrum 212
capillata 212
longifurcata 212
parasigmoides 212
quinqiespinosa 212
wellsi 212
**Raptolaophonte* 213
**ardua* 213
Remanea 134, 136, 143
arenicola 136

plumosa 136
Remaneidae 134
RHIZOTHRICIDAE 175, 188
Rhizothrix 188
bocqueti 189
curvata 188
gracilis 189
lusitanica 189
minuta 189
minuta 188
pubescens 189
quadrisseta 189
reducta 189
reducta noodti 189
spinosa 188
scilloniensis 189
wilsoni 189
Rhyncholagena 102
**bermudensis* 102
josaphatis 102
levantina 102
littoralis 102
pestai 102
pestai 95
pestai americana 102
profundorum 102
sp. Bodin, 1964 - 102
Rhynchothalestrinae 75, 77, 87
Rhynchothalestris 77, 87
Rhynchothalestris 77, 87
agigensis 83
**campbelliensis* 75, 77
cornuta 75, 87
helgolandica 75, 77
helgolandica campbelliensis 77
rufocincta 75, 83, 87
similis 75, 87
tenuicornis 77
tenuis 77
vanhoeffeni 75, 87
Robertgurneya 100, 102
arabica 100
**brevipes* 100
diversa 100
ecaadata 100
erythraeus 100
falklandiensis 100
hopkinsi 100
ilievicensis 100
iliviciensis 100
intermedia 101
oligochaeta 100
remanei 100
rostrata 100
similis 100
similis bulbamphiascoides 100
simulans 100
smithi 100
soyeri 100
spinulosa 100
sp. Marinov & Apostolov, 1985 - 101

Robertsonia 93

- adduensis* 94
- angolensis* 94
- barnesi* 94
- celtica* 94
- curtisii* 94
- **glomerata* 94
- knoxi* 94
- knoxi* 93
- knoxi brasiliensis* 94
- monardi* 94
- mourei* 94
- paramonardi* 94
- propinqua* 93
- **robusta* 94
- salsa* 94
- sp. Bayly, 1970 - 93
- tenuis* 93
- tenuis kieliensis* 93

**Robustunguis* 214

- **minor* 214
- **ungulatus* 214

Rosacletodes 194

- kuehnemanni* 194

Rossopsyllus 134, 143

- kerghuelensis* 143.
- kerghuelensis quillonensis* 143
- obscurus* 143

***ROTUNDICLIPEIDAE** 27**Rotundiclipeus* 27

- **canariensis* 27

Sacodiscus 59

- humesi* 59
- ovalis* 59

Sarsameira 125, 193

- difficilis* 125
- elegantula* 125
- giraulti* 125
- knorri* 126
- longifurcata* 125
- longiremis* 125
- longiremis* 126
- major* 125
- minor* 125
- parva* 125
- pendula* 126
- peresi* 125
- propinqua* 125
- tenuipes* 125

Sarsocletodes 195

- secundus* 195
- typicus* 195

**Schizacron* 180

- barnishi* 180
- bifurcarostratus* 180
- **intermedius* 180
- vervoorti* 180

Schizopera 106

- akatovae* 107
- anomala* 108
- aralensis* 107

arconae 109

- arenicola* 113
- baltica* 107
- borutzkii* 107
- bozici* 107
- bradyi* 108
- brucinae* 107
- brusinae* 107
- californica* 107
- carolinensis* 107
- chaetosa* 108
- **cicolanii* 108
- clandestina* 106
- clandestina* 107
- clandestina brevicauda* 107
- compacta* 106
- consimilis* 106
- crassispinata* 109
- **dimentmani* 108
- elatensis* 110
- fimbriata* 108
- gauldi* 113
- **giselae* 109
- gligici* 109
- grimalschii* 106
- haitiana* 106
- **hawaiiensis* 108
- indica* 109
- inopinata* 106
- inornata* 108
- issykkulica* 110
- jugurtha* 106
- jugurtha stephanidesi* 106
- knabeni* 107
- kunzi* 107
- lacusamari* 109
- **lagrecai* 108
- langi* 107
- lindae* 108
- longicauda* 106
- longirostris* 106
- marlieri* 110
- meridionalis* 108
- meridionalis listensis* 108
- minuta* 107
- minuticornis* 108
- monardi* 109
- nana* 107
- neglecta* 106
- Neoschizopera* 106, 108
- nicholli* 113
- noodti* 107
- ornata* 108
- ornata meridionalis* 108
- **osana* 108
- paradoxa* 106
- parvula* 107
- parvula* 107
- petkovski* 108
- petkovskii* 108
- pontica* 107

- *pori* 108
pratensis 109
reducta 107
rotundipes 108
scalaris 106
Schizopera 106
soyeri 110
sp. Mielke, 1995b - 108
**spinifer* 109
spinulosa 108
stephanidesi 106
subterranea 106
syltensis 109
taricheana 107
tobae 106
tobae cubana 108
tobae wolterecki 106
triacantha 106
ungulata 108
validor 106
variseta 107
varnensis 113
vicina 107
Schizoperoides 112
expeditionis 112
Schizoperopsis 106, 113
arenicola 113
gaulli 113
nicholli 113
Psammoschizoperopsis 106, 113
Schizoperopsis 106, 113
varnensis 113
**Schizothrix* 173
ctenata 173
pontica 173
rostrata 173
Scintis 175, 180
variifurca 180
Scotopsyllus 140
herdmani 140
robertsoni 140
Scottolana 17, 19, 21
antillensis 20
bulbifera 20
bulbosa 17
bulbosum 17
bulbosus 17
canadensis 21
curticaudata 21
dissimilis 20
glabra 20
inopinata 22
longipes 19
**oleosa* 20
**rostrata* 20
scotti 20
**tumidiseta* 20
uxoris 20
Scottopsyllus 134, 140
abyssalis 141
gigas 141
herdmani 140
intermedius 140
Intermedopsyllus 134, 140
langi 140
*langi *continentalis* 140
minor 140
minor 141
minutus 141
pararobertsoni 140
robertsoni 140
robertsoni 140
runtzi 141
Scottopsyllus 134, 140
**smirnovi* 141
Wellsopsyllus 134, 140, 141
Scutellidium 57, 59
armatus 58
arthuri 58
australe 58
boreale 59
caeneus 59
cockburni 58
dentipes 58
deseadensis 58
hippolytes 58
hippolytes 59
hippolytes akaba 58
hirutai 59
intermedium 58
lamellipes 58
ligusticum 58
longicauda 58
longicauda acheloides 58
loureiroi 58
macrosetum 58
patellarum 58
plumosum 58
purpurocincta 58
ringueleti 58
spinatum 58
strigosum 58
Scutellopsis 57, 58
armatus 58
**Sentirenia* 183
eastwardae 183
perezi 183
**Sentiropsis* 181, 185
minuta 185
Sewellia 83
tropica 83
Sewellina 165, 166
reducta 166
reductus 166
subtilis 166
**Sextonis* 173
chilensis 174
delamarei 174
incurvatus 173
laminaserratus 174
mehuinensis 173
naylori 174

Sicameira 126

- gracilis* 126
- intermedia* 126
- langi* 126
- leptoderma* 126

Sigmatidium 34, 39

- arenosetelloides* 39
- minor* 39
- kunzi* 34
- noodti* 34
- parvulum* 34
- problematicum* 39
- rouchi* 34
- triarticulatum* 34
- vandeli* 39

**Singularia* 141

- **ingens* 141

Stenhelia 89, 92

- adriatica* 91
- aemula* 89
- aemula bifida* 89
- **andamanica* 92
- asetosa* 89
- bermudensis* 91
- bifidia* 91
- bisetosa* 91
- bocqueti* 91
- **breviseta* 92
- caulerpae* 91
- **clavus* 92
- coineauae* 91
- confluens* 90
- cornuta* 90
- Delavalia* 89, 92
- diegensis* 89
- divergens* 89
- elizabethae* 90
- **fustiger* 92
- gibba* 89
- golikovi* 91
- **hirtipes* 92
- incerta* 91
- indica* 90
- intermedia* 91
- islandica* 91
- krishnensis* 91
- latioperculata* 91
- latipes* 91
- latisetosa* 90
- lima* 91
- longicaudata* 90
- longifurca* 90
- longipilosa* 91
- madrasensis* 91
- mastigochaeta* 91
- minuta* 90
- minuta* 91, 92
- **mixta* 92
- noodti* 91
- normani* 90
- normani* 90

normani polluta 90

nuwukensis 91

oblonga 91

ornementalia 91

ornementalis 91

**ovalis* 92

palustris 90

palustris bispinosa 91

**paraclavus* 92

peniculata 89

polluta 90

proxima 89

pubescens 89

reflexa 90, 91

reflexa 92

**saharae* 92

sp. Bodin, 1979 - 92

Stenhelia 89

stephensoni 91

tethysensis 90

truncatipes 90

unisetosa 91

**valens* 92

**xylophila* 89

Stenocaridae 165*Stenocaris* 157, 158

abyssalis 158

baltica 157

intermedia 157

kerguelenensis 159

kliei 157

minor 157

minuta 157

minutus 157

pontica 157

pristina 158

profundus 158

pygmaea 157

valkanovi 158

Stenocaropsis 158

abyssalis 158

pristina 158

profundus 158

**similis* 158

valkanovi 158

Stenocopia 131

longicaudata 131

longicaudata pontica 131

longiseta 131

reducta 131

sp. Pesta, 1959 - 131

spinosa 131

Stenocopiinae 131*Stigmatidium* 39

arenosetelloides 39

Stratiopontotes 27

mediterranea 27

mediterraneus 27

**Strongylacron* 180

**buchholzi* 180

Stygolaophonte 210

arenophila 210
Stygonitocrella 124, 130
Stylicletodes 175, 178
 longicaudatus 178
 minutus 179
 numidicus 178
 oligochaeta 179
 reductus 179
 stylicaudatus 179
 verisimilis 179
***STYRACOTHORACIDAE** 27
***Styracothorax** 27
 **gladiator* 27
Sunaristes 17, 20
 bulbosus 17
 cheliceratum 20
 curticaudata 17, 21
 dardani 17, 21
 inaequalis 17
 inopinata 22
 japonicus 17
 longipes 19
 paguri 17
 tranteri 17
***SUPERORNATIREMIDAE** 64
***Superornatiremis** 64
 **mysticus* 64
Syngastes 74
 cornalinus 74
 **craterifer* 74
 **dentipes* 74
 **foveatus* 74
 gibbus 74
 glomeratus 74
 indicus 74
 kunzi 74
 langi 74
 **parilis* 74
 pietschmanni 74
 **porellus* 74
 serratus 74
 sp. Krishnaswamy, 1957b - 74
 sp. Ummerkutty, 1966 - 74
 spinifer 74
 tanzaniae 74
Syrticola 165, 166
 flandricus 166
 galapagoensis 166
 **intermedius* 166
 **mediterraneus* 166
 trispinosus 166
Tachidiella 61
 minuta 61
 parva 61
TACHIDIIDAE 45, 60, 181
***Tachidiinae** 45
Tachidiopsis 41, 62
 bozici 62
 cyclopoides 62
 ibericus 62
 laubieri 62

parasimilis 62
sarsi 62
similis 41
typica 41
Tachidius 45
 discipes 45
 hydrobiologicus 47
 incisipes 45, 46
 laurenticus 45
 littoralis 45
 Neotachidius 45
 Tachidius 45
 triangularis 45
 vicinospinalis 45
***Talpina** 186, 188
 **bathyalis* 188
 bifida 188
 curticauda 188
 **fodens* 188
 **furcispina* 188
 micracantha 188
 **noodti* 188
 pacifica 188
 **pectinata* 188
 peruana 188
 talpa 188
Tapholaophontodes 221
 laurenceae 221
 remotus 221
 rollandi 221
Tapholeon 210
 ornatus 210
 uniarticulatus 210
Taurocletodes 155
 gallicus 155
***Tectacingulum** 67
 **nigrum* 67
 **tumidum* 67
Tegastes 72
 acroporanus 73
 areolatus 72
 brasiliensis 72
 calcaratus 72
 clausi 72
 cnidicus 73
 dalmatinus 72, 73
 elenae 73
 falcatus 72
 falcatus 73
 fernandici 73
 gemmeus 73
 georgei 73
 knoepffleri 73
 longimanus 72
 minutus 72
 nanus 72
 neapolitanus 73
 paulipes 73
 perforatus 73
 porosus 72
 pygmaeus 73

singularisaetus 73
riedli 72
sp. Noodt, 1958b - 73
sp. Pesta, 1959 - 73
sp. Geddes, 1968c - 73

TEGASTIDAE 72

Teisseriella 110
pontica 110
Teissierella 110, 112
adduensis 94
massiliensis 110
pontica 110

**Telodocus* 215
secundus 215

**Telopsammis* 185
secunda 185

Tetanopsis 36
mediterranea 36
medius 36
smithi 36

Tetragoniceps 144
arenicolus 144
bergensis 144
bookouti 144
brownei 144
browni 144
**galapagoensis* 144
longicauda 144
malleolatus 144
prima 144
profundus 144
trispinosus 166
truncata 144
**unguis* 144

Tetragonicepsidae 144

TETRAGONICIPITIDAE 89, 134, 144, 148,
149, 196, 222

THALESTRIDAE 63, 75, 85, 142, 196

Thalestrinae 75

Thalestris 75
forficula 88
gigas 75
longimana 75
purpurea 75
rhodymeniae 75
rufoviolacens 75

Thaumastognatha 42
minima 42

Thieliella 175
endopodita 176
nordatlantica 179
reducta 179

Thompsonula 45, 47
curticauda 47
hyaenae 47
hyaenae elongata 47

THOMPSONULIDAE 45, 47

Thompsonulinae 45
Tigriopus 50
angulatus 50
brachydactylus 50

brevicornis 50
californicus 50
crozettensis 50
fulvus 50
igai 50
japonicus 50
kerguelenensis 50
liijeborgi 50
liijeborgi northumbriensis 50
minutus 50
raki 50

Tisbe 54, 59, 60, 142

acanthifera 55
angusta 57
angusta 57
aragoi 55, 56
battagliai 56
bermudensis 54, 56, 57
bermudensis 56
biminiensis 56
bocqueti 55
bulbisetosa 56, 57
carolinensis 55
caymanensis 57
celata 55
clodiensis 55, 56
coulli 56
cucumariae 55, 56
denticulata 57
dilatata 57
dobzhanskii 56
elanitica 56
elongata 57
ensifer 54
ensifera 54
eurypleura 55
furcata 54, 55
furcata johnsoni 55
furcata tuberculata 55
gigantea 57
gracilis 54, 56, 57
gracilis 55, 56
graciloides 57
gurneyi 55
helgolandica 54, 55
histriana 55
holothuriae 54, 55, 56
ianthina 56
Idya 54
inflatseta 56, 57
japonica 57
johnsoni 55
lagunaris 55
lancii 55
longicornis 57
longicornis 57
longipes 54, 56
longisetosa 54
longisetosa 57
maraisensis 57
marmorata 56

- minor* 54
monozota 55
parviseta 55
pentataenia 56
perplexa 57
persimilis 55
pontina 55
pori 56
prolata 56
racovitzai 57
ramphigera 57
reluctans 55
remanei 56
remota 59
reticulata 55, 56
robusta 55
sp. Roe, 1959 - 57
sp. Bozic, 1965 - 57
sp. Vilela, 1969 - 56
sp. Coull, 1971a - 57
n. sp. Fava & Volkmann, 1975 - 57
spinulosa 57
tenella 54
tenera 54
tenera 57
trisetosa 56
variana 56
varians 54
varipes 56
wirketissae 55
Tisbella 59, 60
alba 59
pulchella 59
rosea 59
timsae 59
timsae 59
Tisbentra 60
jonesi 60
nankaurica 60
nicobarica 60
TISBIDAE 54, 62, 63, 134, 142, 143
Tisbinae 54, 64
Tisbisoma 134, 142, 143
spinisetum 142
triarticulatum 142
Tonpostratiotes 27
tenuipedalis 27
Tripartisoma 54, 63
**ovalis* 63
**trapezoidalis* 63
Tryphoema 188, 189
bocqueti 189
lusitanica 189
ramabula 189
riedli 189
scilloniensis 189
Tydemanelle 110
robusta 110
rufus 110
Typhlamphiacus 101
Typhlamphiascus 101
bouligandi 101
confusus 101, 102
confusus 102
drachi 101
gracilicaudatus 101
gracilis 101
lamellifer 101
lamellifer capensis 101
latifurca 101
longifurcatus 102
luticola 101
**ovale* 101
pectinifer 101
sp. 2 Bodin, 1964 - 102
sp. Vilela, 1965 - 102
sp. I et II Marinov, 1977 - 102
sp. 1 Bodin, 1964 - 101
typhlops 101
typhlops 102
unisetosus 101
Unicalteutha 59
ovalis 59
Volkmannia 60
attenuata 60
forficula 60
**Weddellaophonte* 215
**anyae* 215
**Wellsiphontina* 214
distincta 214
**striata* 214
(Wellsopsyllus 134, 140, 141)
Westwoodia 78
assimilis dubia 78
**Willemsia* 158
**calceola* 158
Willeyella 148
armata 148
horrida 149
**Xanthilaophonte* 214
**carcinicola* 214
trispinosa 214
Xouthous 84
maldiviae 84
Xylora 86
bathyalis 86
neritica 86
Yunona 54, 60
**marginata* 60
Zaus 51, 53
abbreviatus 52
ainuensis 52
aurelii 52
aurelii 52
biunguiferus 52
caeruleus 52
contractus 53
goodsiri 52
hiranoi 52
intermedius 52
latiremis 52
mirabilis luederitzi 53

robustus 52
**sarsi* 52
schaeferi 52
serratus 52
spinatus 52
spinatus hopkinsi 52
spinatus spinatus 51
unisetosus 52

Zausodes 53

areolatus 53
biarticulatus 53
cinctus 53
limigenus 53
paranaguaensis 53
septimus 53
sextus 53
stammeri 53

Zausodinae 51

Zausopsis 53

contractus 53
luederitzi 53
mirabilis 53

Zosime 60

atlantica 61
bathyalis 61
bathybia 61
bergensis 61
erythraea 61
gisleni 60
gisleni 61
incrassata 60
incrassata 61
incrassata bathybia 61
**pacifica* 61
paramajor 61
paratypica 61
reducta 62
reyssi 61
valida 60

APPENDIX

Lang, K., 1944. Monographie der Harpacticiden. (Vorläufige Mitteilung).
Almquist & Wiksells Boktryckeri A.B. (Uppsala): 39 p. [19/2/1944]

Section **Polyarthra** Lang, 1944

Family **Longipediidae** Sars (part)

genus **Longipedia** Claus

Family **Canuellidae** Lang, 1944

genera: **Sunaristes** Hesse, **Canuella** T. & A. Scott, **Brianola** Monard (Syn. **Brianella** Monard), **Canuellina** Gurney, **Canuellopsis** Lang

Section **Oligarthra** Lang, 1944Subsection **Maxillipedasphalea** Lang, 1944Suprafamily **Cerviniidimorpha** Lang, 1944

Family **Aegisthidae** Giesbrecht

genus **Aegisthus** Giesbrecht

Family **Cerviniidae** Sars (part)

genera: **Cervinia** Norman, **Pontostratiotes** Brady, **Herdmania** Thompson (syn. **Hemicervinia** Lang), **Eucanuella** T. Scott, **Cerviniopsis** Sars

Suprafamily **Ectinosomidimorpha** Lang, 1944

Family **Ectinosomidae** Sars (part), Olofsson

genus **Ectinosoma** Boeck

subgenus **Ectinosoma** s. str., Lang, 1944 (type: **Ectinosoma melaniceps** Boeck)

subgenus **Halectinosoma** Lang, 1944

Sarsi-group (type **Ectinosoma sarsi** Boeck)

Curticorne-group (type **Ectinosoma curticorne** Boeck)

genus **Bradya** Boeck

subgenus **Bradya** s. str., Lang, 1944 (type: **Bradya typica** Boeck)

subgenus **Parabradia** Lang, 1944 (type: **Bradya confluens** Lang)

genus **Pararenosetella** Lang, 1944 (type: **Ectinosoma erythrops** Brady & Robertson)

and genera: **Microsetella** Brady & Robertson, **Pseudobradia** Sars, **Ectinosomella** Sars,
Halophytophilus Brian, **Bradyellopsis** Brian, **Arenosetella** Wilson (syn. **Hastigerella** Nicholls) **Sigmatidium** Giesbrecht (syn. **Pseudectinosoma** Kunz)

Suprafamily **Neobradyidimorpha** Lang, 1944

Family **Neobradyidae** Olofsson

genus **Neobradia** T. Scott

Family **Phyllognathopodidae** Gurney

genus **Phyllognathopus** Mrazek

Family **D'Arcythompsoniidae** Lang

genera: **Leptocaris** T. Scott, **D'Arcythompsonia** T. Scott, **Horsiella** Gurney

Family **Chappuisiidae** Chappuis

genus **Chappuisius** Kiefer

Subsection **Exanechentera** Lang, 1944Suprafamily **Tachidiidimorpha** Lang, 1944Family **Tachidiidae** Sars (part)Subfamily **Euterpininae** Brian

genus **Euterpina** Norman

Subfamily **Microarthridioninae** Lang, 1944

genus **Tachidius** Lilljeborg

genus **Microarthridion** Lang, 1944 (type: **Tachidius littoralis** Poppe)

Subfamily **Thompsonulinae** Lang, 1944

genera: **Thompsonula** T. Scott (syn. **Rathbunula** Wilson, **Echinocornus** Wilson), **Psammis** Sars, and the genus **Danielssenia** Boeck sub-divided in:

Typica-group: type **Danielssenia typica** Boeck

Sibirica-group: type **Danielssenia sibirica** Sars

Family **Harpacticidae** SarsSubfamily **Harpacticellinae** Lang, 1944

genera: **Harpacticus** Milne-Edwards, **Tigriopus** Norman, **Harpacticella** Sars (syn. **Handiella** Wilson), **Perissocope** Brady

Subfamily **Zausodiinae** Lang, 1944

genera: **Zaus** Goodsir, **Zausodes** Wilson, **Zausopsis** Lang

Suprafamily **Tachidiidimorpha** Lang, 1944Family **Tisbidae** Stebbing, LangSubfamily **Tisbinae** Lang, 1944

genera: **Tisbe** Lilljeborg (syn. **Idya** Philippi, **Idyaea** Sars), **Scutellidium** Claus (Syn. **Psamathe** Philippi, **Machairopus** Brady), **Cholidya** Farran, **Sacodiscus** Wilson (syn. **Aspidiscus** Norman), **Tisbella** Gurney

Subfamily **Idyanthinae** Lang, 1944

genera: **Zosime** Boeck, **Idyella** Sars (syn. **Pseudoida** Brady), **Tachidiella** Sars, **Idyanthe** Sars (syn. **Idyopsis** Sars), **Pseudozosime** T. Scott, and genus **Idyellopsis** Lang, 1944 (type: **Idyellopsis typica** Lang, 1944) and probably the genus **Tachidiopsis** Sars

Family **Porcellidiidae** Sars

genus **Porcellidium** (syn. **Thyone** Philippi)

Family **Peltidiidae** Sars

genera: **Peltidium** Philippi (syn. **Oniscidium** Claus, **Zausoscidia** Haller, **Reticulina** Cleve), **Altheutha** Baird (syn. **Carillus** Goodsir, **Sterope** Goodsir, part.), **Eupelte** Claus, **Altheuthella** A. Scott, **Parapeltidium** A. Scott, **Paraltheutha** T. Scott, and genus **Altheuthellopsis** Lang, 1944 (type: **Altheuta** (**Eupelte**) **oblivia** (A. Scott))

Family **Pseudo-Peltidiidae**, Poppe (Syn. **Goniopeltidinae** Claus, **Peltidiidae** Claus, **Clytemnestridae** A. Scott)

genus **Clytemnestra** Dana

Family **Tegastidae** Sars

genera: **Tegastes** Norman, **Parategastes** Sars, **Syngastes** Monard

Subsection **Podogennonta** Lang, 1944Suprafamily **Thalestridimorpha** Lang, 1944Family **Thalestridae** Sars

Lang (1944: p. 12) refers to Lang, 1936a¹ for sub-divisions and genera

genus **Dactylopodia** Norman (syn. **Dactylopusia** Norman, type **Dactylopus** **tisboides** Claus)

genus **Paradactylopodia** Lang, 1944 (type **Dactylopus** **latipes** Boeck)

Family **Balaenophilidae** Sars

genus **Balaenophilus** Aurivillius

Family **Parastenheliidae** Lang, 1944

genus **Parastenhelia** Thompson & A. Scott (syn. **Microthalestris** Sars, **Thalestrella** Monard)
type **Harpacticus** **spinosus** Fischer.

Family **Diosaccidae** Sars

genera: **Stenhelia** Boeck (sub-divided in **Stenhelia** s. str. and **Delavalia**), **Diosaccus** Boeck, **Robertsonia** Brady (syn. **Teissierella** Monard, **Varnaia** Klie), **Pseudomesochra** T. Scott (syn. **Stenheliopsis** Sars), **Schizopera** Sars, **Pseudodiosaccus** T. Scott, **Tydemanella** A. Scott, **Diosaccopsis** Brian, **Ialysus** Brian, and the large genus **Amphiascus** divided in the following genera and species groups:

genus **Paradiosaccus** Lang, 1944 : type **Amphiascus** **varicolor** Farran

genus **Antiboreodiosaccus** Lang, 1944: type **Dactylopus** **crassus** Giesbrecht

genus **Pseudodiosaccopsis** Lang, 1944: type **Amphiascus** **rufescens** Brian

genus **Amphiascus** Sars (part)

Minutus-group: type **Dactylopus** **minutus** Claus

Varians-group: type **Stenhelia** **variens** Norman & T. Scott

Pacificus-group: type **Amphiascus** **pacificus** Sars

Amblyops-group: type **Amphiascus** **amblyops** Sars

genus **Dactylopodamphiascopsis** Lang, 1944: type **Amphiascus** **latifolius** Sars

genus **Amonardia** Lang, 1944: type **Dactylopus** **similis** Claus

genus **Pseudamphiascopsis** Lang, 1944: type **Stenhelia** **herdmani** A. Scott

genus **Metamphiascopsis** Lang, 1944: type **Dactylopusia** **hirsuta** Thompson & A. Scott

genus **Paramphiascopsis** Lang, 1944: type **Dactylopus** **longirostris** Claus

¹ Lang, K., 1936a. Copepoda Harpacticoida. Further zool. Results Swed. Antarct. Exped., 3(3): 1-68.

genus **Pararobertsonia** Lang, 1944: type **Dactylopus abyssi** Boeck

genus **Bulbamphiascus** Lang, 1944: type **Canthocamptus imus** Brady

genus **Robertgurneya** Lang, 1944

Similis-group: type **Stenhelia simulans** Norman & T. Scott

Spinulosus-group: type **Amphiascus spinulosus** Sars

genus **Typhlamphiascus** Lang, 1944: type **Amphiascus typhlops** Sars

genus **Rhyncholagena** Lang, 1944: type **Amphiascus lagenirostris** Sars

genus **Amphiascella** Lang, 1944: type **Amphiascus linearis** Sars

genus **Paramphiascella** Lang, 1944: type **Stenhelia hispida** Brady

genus **Haloschizopera** Lang, 1944: type **Stenhelia pygmaea** Norman & T. Scott

Family **Miracidae** Dana (syn. **Macrosetellidae** A. Scott)

Suprafamily **Metidimorpha** Lang, 1944

Family **Metidiidae** Sars

genus **Metis** Philippi (syn. **Thoracosphaera** Kricagin, **Ilyopsyllus** Brady & Robertson, **Abacula** Edwards, **Carazzoides** Grandori, **Rubeus** Grandori, **Parametis** Labbé)

Suprafamily **Ameiridimorpha** Lang, 1944

Family **Ameiridae** Monard, Lang

Subfamily **Ameirinae** Lang, 1944

genera: **Nitocra** Boeck, **Psyllocamptus** T. Scott (= **Phyllocamptus** in Sars), **Ameiropsis** Sars, **Pseudameira** Sars, **Leptomesochra** Sars (syn. **Leptameira** Lang), **Cancrincola** Wilson, **Nitocrella** Chappuis, **Sarsameira** Wilson (syn. **Parameira** Sars), and the genus **Ameira** Boeck sub-divided in:

genus **Ameira** Boeck: type **Ameira longipes** Boeck

genus **Proameira** Lang, 1944: type **Ameira simplex** Norman & T. Scott

genus **Pseudosarsameira** Lang, 1944: type **Ameira exilis** T. & A. Scott

Subfamily **Stenocopinae** Lang, 1944 (spelt **Stenocopiinae** in Lang, 1948)

genera: **Stenocopia** Sars, **Malacopsyllus** Sars, **Anoplosoma** Sars

Family **Paramesochridae** Lang, 1944

genus **Paramesochra** T. Scott

Dubia-group: type **Paramesochra dubia** T. Scott

Robertsoni-group: type **Leptopsyllus robertsonia** T. & A. Scott

Intermedia-group: type **Leptopsyllus intermedius** T. & A. Scott

genus **Leptopsyllus** T. Scott: type **Leptopsyllus typicus** T. Scott

genus **Paraleptopsyllus** Lang, 1944: type **Paramesochra arctica** Lang

Family **Tetragonicepsidae** Lang, 1944

genera: **Tetragoniceps** Brady, **Pteropsyllus** T. Scott, **Diagoniceps** Willey and the genus **Phyllopodopsyllus** now subdivided in two genera:

genus **Phyllopodopsyllus** T. Scott: type **Tetragoniceps bradyi** T. Scott

genus **Paraphyllopodopsyllus** Lang, 1944: type **Phyllopodopsyllus mossmani** T. Scott

Family **Canthocamptidae** Sars, Monard, Lang

genera: **Canthocamptus** Westwood, **Mesochra** Boeck (syn. **Apsteinia** Schmeil), **Orthopsyllus** Brady & Gurney), **Robertsonia** (syn. **Lilljeborgia** Claus), **Attheyella** Brady (with subgenera: **Attheyella** s.str. Chappuis, **Brehmiella** Chappuis, **Chappuisiella** Brehm, **Delachauxiella** Brehm, **Canthosella** Chappuis), **Maraenobiotus** Mrazek, **Epactophanes** Mrazek (syn. **Ophiocamptus** Richters, **Antipodiella** Brehm), **Moraria** T. & A. Scott, **Itunella** Brady (syn. **Paramoraria** Gager), **Ceuthonectes** Chappuis, **Bryocamptus** Chappuis (with sub-genera **Bryocamptus** s. str. Chappuis, **Arcticocamptus** Chappuis, **Limocamptus** - the latter allocated by Chappuis to **Echinocamptus**, with **Canthocamptus echinatus** Mrazek designated as type by Lang, 1944-), **Echinocamptus** Chappuis, **Elaphoidella** Chappuis, **Paracamptus** Chappuis, **Hypocamptus** Chappuis, **Antarctobiotus** Chappuis, **Morariopsis** Burutzky, **Afrocamptus** Chappuis (syn. **Eucamptus** Chappuis), **Nannomesochra** (syn. **Pseudomesochra** Gurney), **Spelaecocamptus** Chappuis.

Family **Cylindropsyllidae** Sars, Lang

Cylindropsyllus genus-group Lang, 1944 (= subfamily **Cylindropsyllinae** in Lang, 1948)

genera: **Cylindropsyllus** Brady (syn. **Cylindrosoma** Brady), **Evansula** T. Scott (syn. **Evansia** T. Scott), **Stenocaris** Sars;

Leptastacus genus-group Lang, 1944 (= subfamily **Leptastacidae** in Lang, 1948)

genera: **Leptastacus** T. Scott, **Paraleptastacus** Wilson, **Psammastacus** Nicholls, **Arenocaris** Nicholls;

Leptopontia genus-group Lang, 1944 (= subfamily **Leptopontiidae** in Lang, 1948)

genera: **Leptopontia** T. Scott, **Arenopontia** Kunz

Family **Louriniidae** Monard (syn. **Ceyloniidae** A. Scott, **Ceyloniellidae** Monard)

genus **Lourinia** Wilson (syn. **Jurinia** Claus, **Ceylonia** Thompson & A. Scott, **Ceyloniella** Wilson)

Family **Parastenocaridae** Chappuis

The single genus **Parastenocaris** Kessler is subdivided in several species-groups:

Brevipes-group: type *P. brevipes* Kessler

Proserpina-group: type *P. proserpina* Chappuis

Minuta-group: type *P. minuta* Chappuis

Nana-group: type *P. nana* Chappuis

Clujensis-group: type *P. clujensis* Chappuis

Muscicola-group: type *P. muscicola* Chappuis

Fontinalis-group: type *P. fontinalis* Schnitter & Chappuis

Staheli-group: type *P. staheli* Menzel

Suprafamily **Cletodidimorpha** Lang, 1944Family **Cletodidae** T. Scott

Lang (1944: p. 30) refers to his earlier work on the family (Lang, 1936b²), but transfers the genus **Echinocletodes** to the family **Ancorabolidae**, and amends or adds the following genera:

genus **Eurycletodes** Sars

subgenus **Eurycletodes** s. str. Lang, 1944: type **Cletodes laticauda** Boeck

subgenus **Oligocletodes** Lang, 1944: type **Cletodes lata** T. Scott

genus **Parargestes** Lang, 1944: type **Argestes tenuis** Sars, by monotypy

² Lang, K., 1936b. Die familie der Cletodidae Sars, 1909. Zool. Jb., Syst., 68(6):445-480.

genus *Acrenhydrosoma* Lang, 1944: type *Cletodes perplexa* T. Scott
 Family *Laophontidae* T. Scott

Subfam. *Laophontinae* Lang, 1944

genus *Laophonte* Philippi

- Cornuta*-group: type *Laophonte cornuta* Philippi
- Serrata*-group: type *Cleta serrata* Claus
- Depressa*-group: type *Laophonte depressa* T. Scott (deduced)
- Setosa*-group: type *Laophonte setosa* Boeck
- Inornata*-group: type *Laophonte inornata* T. Scott
- Denticornis*-group: type *Laophonte denticornis* T. Scott
- Inopinata*-group: type *Laophonte inopinata* T. Scott

genus *Pseudonychocamptus* Lang, 1944: type *P. koreni* Boeck

genus *Heterolaophonte* Lang, 1944

- Strömi*-group: type *Cyclops stromii* Baird
- Minuta*-group: type *Laophonte minuta* Boeck
- Littoralis*-group: type *Laophonte littoralis* T. & A. Scott
- Quinquespinosa*-group: type *Laophonte quinquespinosa* Sewell
- Discophora*-group: type *Laophonte discophora* Willey
- Campbelliensis*-group: type *Laophonte campbelliensis* Lang
- Tenuispina*-group: type *Laophonte tenuispina* Lang

genus *Paronychocamptus* Lang, 1944

- Curticaudatus*-group: type *Laophonte curticaudata* Boeck
- Exiguus*-group: type *Laophonte exigua* Sars

genus *Paralaophonte* Lang, 1944

- Brevirostris*-group: type *Cleta brevirostris* Claus
- Perplexa*-group: type *Laophonte perplexa* T. Scott
- Gracilipes*-group: type *Laophonte gracilipes* Brady
- Karmensis*-group: type *Laophonte karmensis* Sars

genus *Esola* Edwards

- Longicauda*-group: type *Esola longicauda* Edwards
- Spelaea*-group: type *Laophonte spelaea* Chappuis

genus *Onychocamptus* Daday

- Mohammed*-group: type *Laophonte mohammed* Blanchard & Richard
- Horridus*-group: type *Laophonte horrida* Norman
- Kliei*-group: type *Laophonte kliei* Monard

Subfamily *Normanellinae* Lang, 1944

genera *Cleta* Claus (syn. *Laophontopsis* Sars), *Normanella* Brady, *Cletopsyllus* Willey and

genus *Pseudocleta* Lang, 1944: type *Laophonte corbula* Willey

Subfamily *Donsiellinae* Lang, 1944

genus *Donsiella* Stephensen

genus *incertum sedis*: *Laophontella* Thompson & A. Scott (misspelled as *Lapohontella*)

Family *Ancorabolidae* Sars

Subfamily *Laophontodinae* Lang, 1944

genus *Laophontodes* T. Scott

Subfamily *Ancorabolinae* Lang, 1944

genera: *Ancorabulus* Norman, *Echinopsyllus* Sars, *Ceratonotus* Sars, *Arthropsoyllus* Sars, *Echinopsyllus* Lang

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GERY, J., 1977. Characoids of the World. Tropical Fish Hobbyist Publications Inc. Ltd., Neptune City, U.S.A., 672 pp.

HAQ, B.U., 1984. A synoptic review of 200 million years of ocean history. In: HAQ, B.U. and MILLIMAN, J.D. (Editors), *Marine Geology and Oceanography of Arabian Sea and coastal Pakistan*. Van Nostrand Reinhold, London, pp. 201-232.

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